

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010219\
 Data File : VF061261.D
 Acq On : 2 Jan 2019 18:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 3:08:28 PM

Quant Time: Jan 03 07:54:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	168494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	281731	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	274796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	130109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	114300	52.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.48%	
35) Dibromofluoromethane	4.11	113	128520	56.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.90%	
50) Toluene-d8	7.55	98	363152	56.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.56%	
62) 4-Bromofluorobenzene	11.41	95	154671	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	171044	45.666	ug/l	98
3) Chloromethane	1.10	50	113347	52.830	ug/l	92
4) Vinyl Chloride	1.14	62	101534	51.015	ug/l	97
5) Bromomethane	1.33	94	71936	52.110	ug/l	95
6) Chloroethane	1.40	64	44751	48.797	ug/l	95
7) Trichlorofluoromethane	1.48	101	194229m	51.110	ug/l	
8) Diethyl Ether	1.62	74	28473	54.715	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	103611	52.585	ug/l	92
10) Methyl Iodide	1.91	142	161176m	51.893	ug/l	
11) Tert butyl alcohol	2.57	59	23170	264.945	ug/l #	91
12) 1,1-Dichloroethene	1.80	96	78942	53.150	ug/l	97
13) Acrolein	2.00	56	16326	258.353	ug/l #	72
14) Allyl chloride	2.10	41	95041	61.489	ug/l	91
15) Acrylonitrile	2.93	53	65472	323.760	ug/l	96
16) Acetone	2.23	43	96207	222.068	ug/l #	91
17) Carbon Disulfide	1.83	76	228905m	50.998	ug/l	
18) Methyl Acetate	2.34	43	51854	57.852	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	169281	51.347	ug/l	100
20) Methylene Chloride	2.25	84	82284m	60.368	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	78593m	49.474	ug/l	
22) Diisopropyl ether	2.80	45	274967	53.406	ug/l	96
23) Vinyl Acetate	3.18	43	641711	270.172	ug/l	100
24) 1,1-Dichloroethane	2.87	63	163829	53.705	ug/l	99
25) 2-Butanone	4.33	43	183117	260.621	ug/l	99
26) 2,2-Dichloropropane	3.60	77	90648	51.780	ug/l	95
27) cis-1,2-Dichloroethene	3.47	96	132940	54.663	ug/l	91
28) Bromochloromethane	3.71	49	86975	56.191	ug/l	90
29) Tetrahydrofuran	4.07	42	82885	289.835	ug/l	98
30) Chloroform	3.85	83	230537	50.401	ug/l	99
31) Cyclohexane	3.68	56	165723m	52.354	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	138451	50.500	ug/l	93
36) 1,1-Dichloropropene	4.28	75	179711	52.846	ug/l	96
37) Ethyl Acetate	4.11	43	74185	57.637	ug/l	99
38) Carbon Tetrachloride	3.98	117	136425	52.679	ug/l	92

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	174915	57.333	ug/l	98
40) Benzene	4.62	78	402426	55.027	ug/l	96
41) Methacrylonitrile	4.74	41	40959	57.031	ug/l	97
42) 1,2-Dichloroethane	4.94	62	150033	54.005	ug/l	97
43) Isopropyl Acetate	6.95	43	86734	52.821	ug/l #	98
44) Trichloroethene	5.50	130	124535	54.013	ug/l	95
45) 1,2-Dichloropropane	6.23	63	112343	56.463	ug/l	100
46) Dibromomethane	6.08	93	70307	54.481	ug/l	98
47) Bromodichloromethane	6.38	83	182833	54.528	ug/l	96
48) Methyl methacrylate	6.71	41	63861	55.710	ug/l	91
49) 1,4-Dioxane	6.70	88	9381	1127.852	ug/l #	63
51) 4-Methyl-2-Pentanone	8.25	43	313076	278.009	ug/l	99
52) Toluene	7.62	92	265570	54.859	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	139674	51.637	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	179245	52.799	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	77099	53.126	ug/l	96
56) Ethyl methacrylate	8.62	69	85016	54.138	ug/l	93
57) 1,3-Dichloropropane	8.84	76	133984	51.046	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	60345	200.083	ug/l	99
59) 2-Hexanone	9.48	43	221027	271.400	ug/l	94
60) Dibromochloromethane	8.71	129	116406	55.956	ug/l	96
61) 1,2-Dibromoethane	8.98	107	86218	55.627	ug/l	95
64) Tetrachloroethene	8.14	164	109192	51.655	ug/l	97
65) Chlorobenzene	9.79	112	293229	51.653	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	114956	49.552	ug/l	99
67) Ethyl Benzene	9.90	91	495611	47.921	ug/l	99
68) m/p-Xylenes	10.13	106	357389	98.192	ug/l	95
69) o-Xylene	10.71	106	204440	50.646	ug/l	94
70) Styrene	10.79	104	282330	58.198	ug/l	99
71) Bromoform	10.77	173	56370	52.520	ug/l	97
73) Isopropylbenzene	11.12	105	585536	52.223	ug/l	98
74) N-amyl acetate	11.37	43	142229	57.136	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	102290	54.969	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	74177	53.564	ug/l	100
77) Bromobenzene	11.49	156	125946	52.182	ug/l	96
78) n-propylbenzene	11.59	91	666106	52.042	ug/l	98
79) 2-Chlorotoluene	11.71	91	400999	52.135	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	472694	51.200	ug/l	87
81) trans-1,4-Dichloro-2-buten	11.86	75	16790m	28.215	ug/l	
82) 4-Chlorotoluene	11.89	91	426579	53.612	ug/l	96
83) tert-Butylbenzene	12.13	119	496788	52.291	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	447832	48.642	ug/l	97
85) sec-Butylbenzene	12.31	105	655878	52.902	ug/l	98
86) p-Isopropyltoluene	12.45	119	538584	52.336	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	228217	58.896	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	227671	51.370	ug/l	99
89) n-Butylbenzene	12.84	91	551559	54.113	ug/l	98
90) Hexachloroethane	12.92	117	133434	52.481	ug/l	78
91) 1,2-Dichlorobenzene	12.94	146	218733	50.693	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	18462	54.066	ug/l	90

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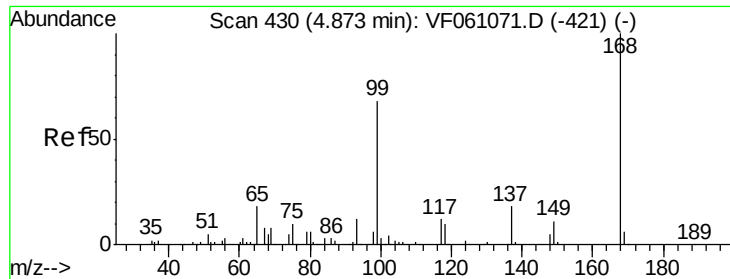
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	159782	52.215	ug/l	95
94) Hexachlorobutadiene	14.19	225	107592	55.204	ug/l	95
95) Naphthalene	14.45	128	308550	55.218	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	156341	55.265	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168494

Ion Ratio Lower Upper

168 100

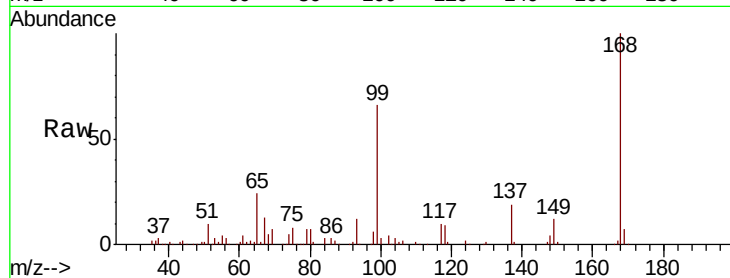
99 65.6 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

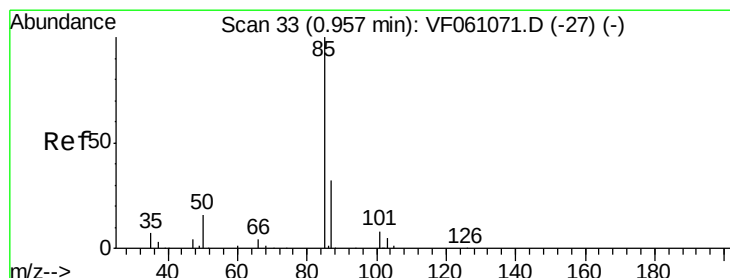
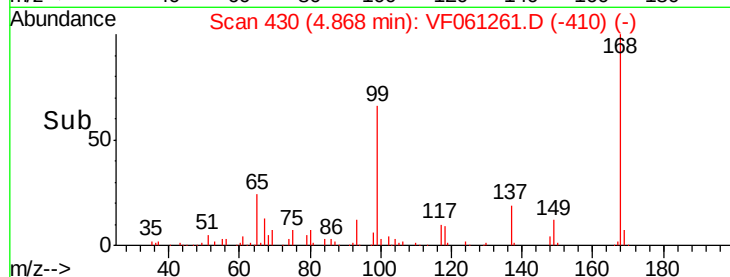
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.666 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061261.D

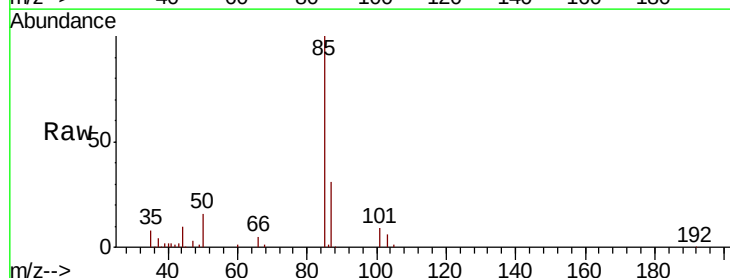
Acq: 2 Jan 2019 18:30

Tgt Ion: 85 Resp: 171044

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

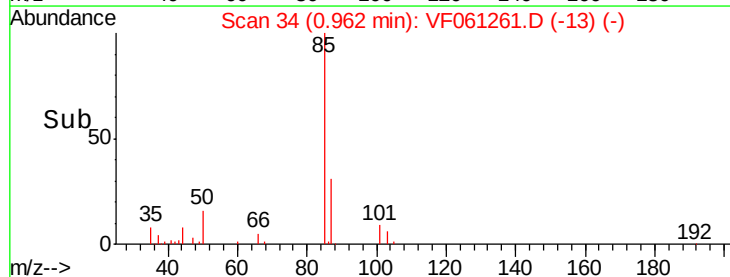
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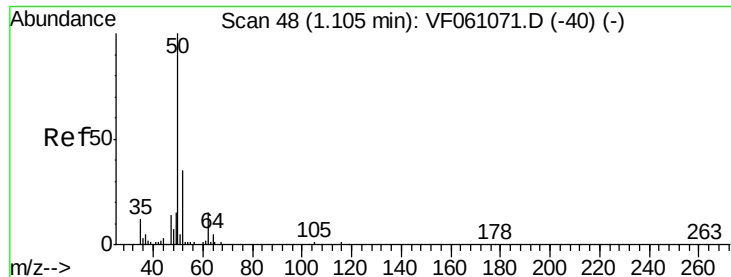
20000

10000

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Time-->





#3

Chloromethane

Concen: 52.830 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 113347

Ion Ratio Lower Upper

50 100

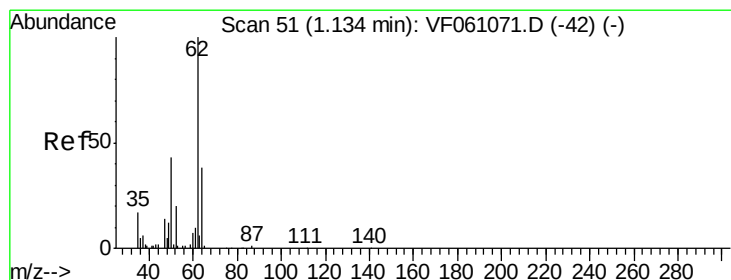
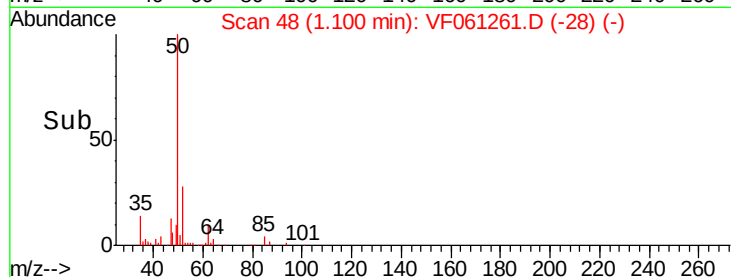
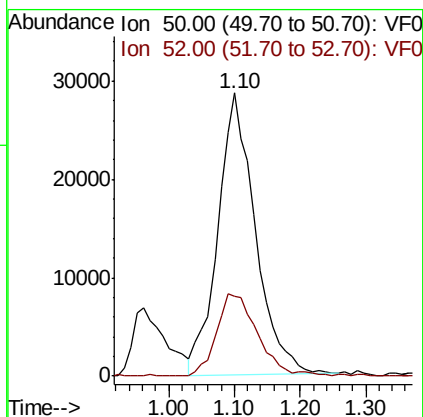
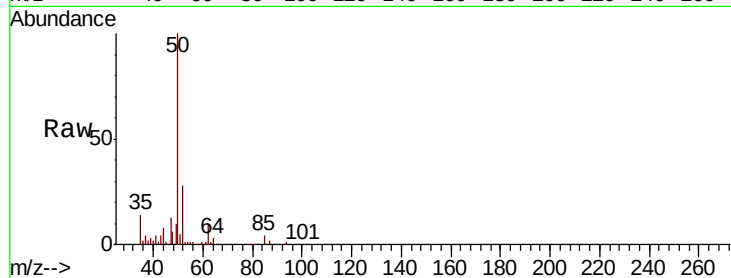
52 28.1 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.015 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF061261.D

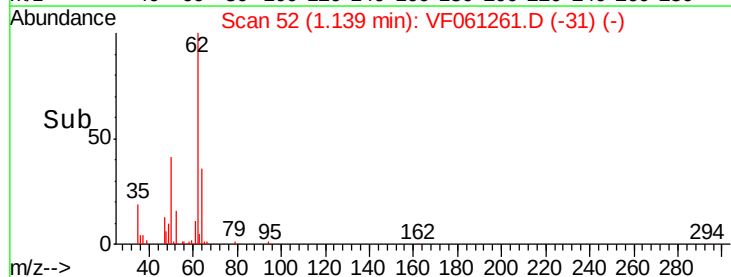
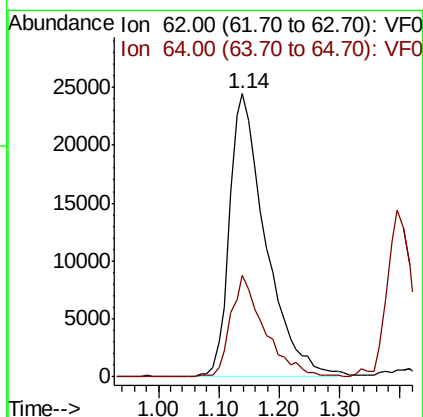
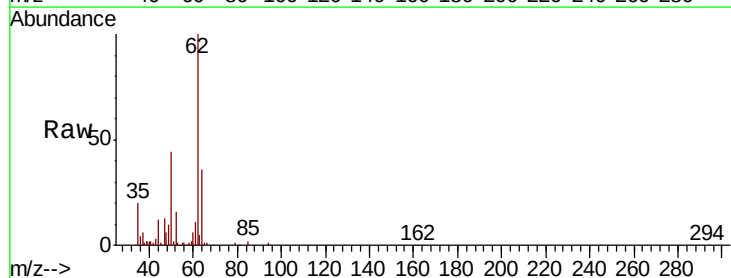
Acq: 2 Jan 2019 18:30

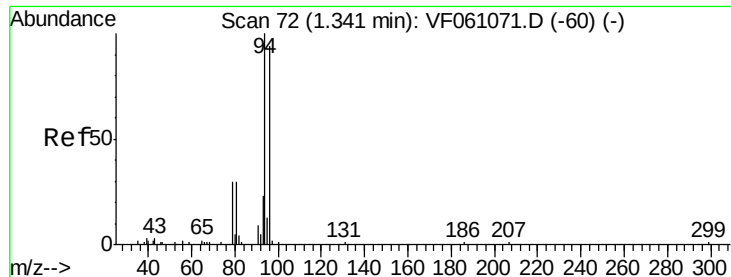
Tgt Ion: 62 Resp: 101534

Ion Ratio Lower Upper

62 100

64 35.9 30.4 45.6





#5

Bromomethane

Concen: 52.110 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 71936

Ion Ratio Lower Upper

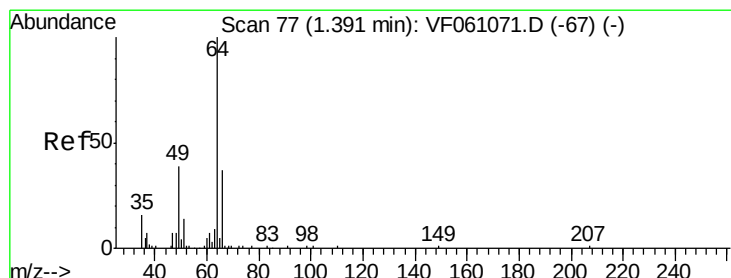
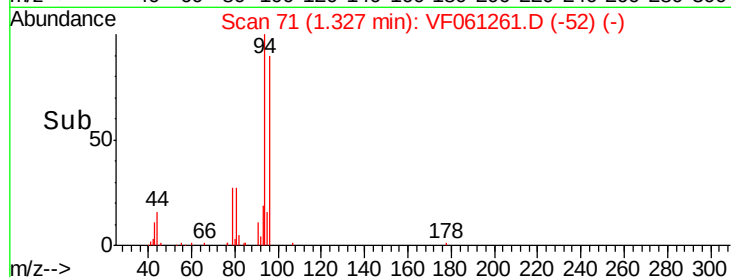
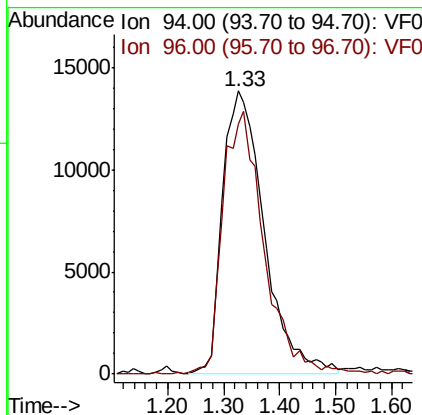
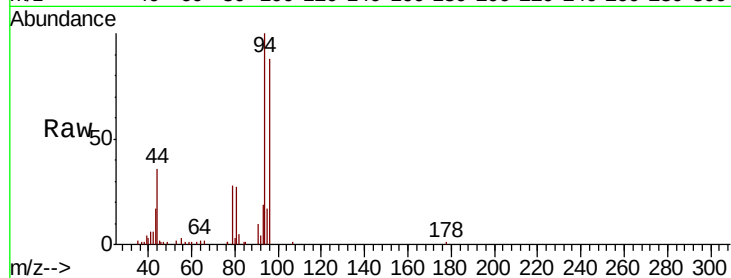
94 100

96 88.4 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 48.797 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.00 min

Lab File: VF061261.D

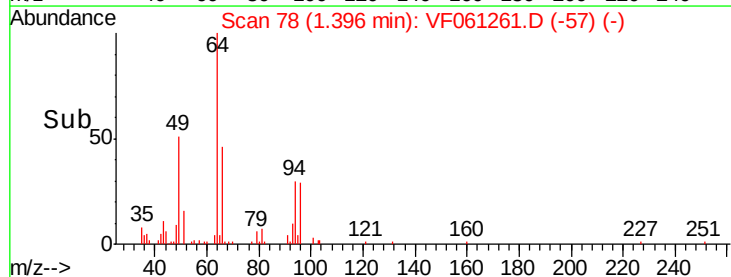
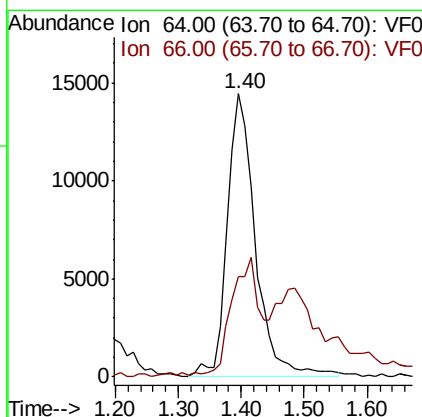
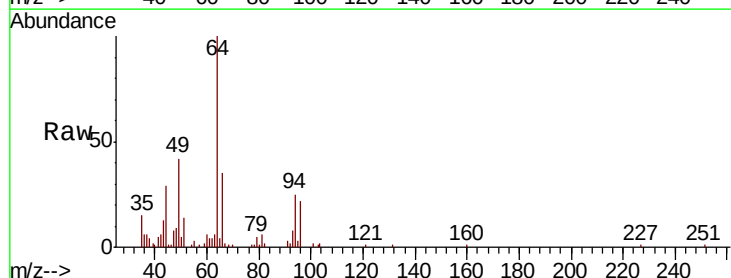
Acq: 2 Jan 2019 18:30

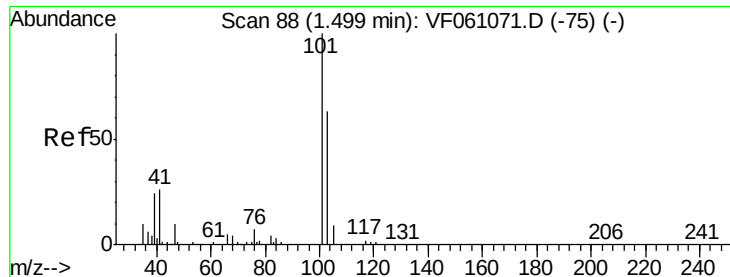
Tgt Ion: 64 Resp: 44751

Ion Ratio Lower Upper

64 100

66 35.4 30.9 46.3





#7

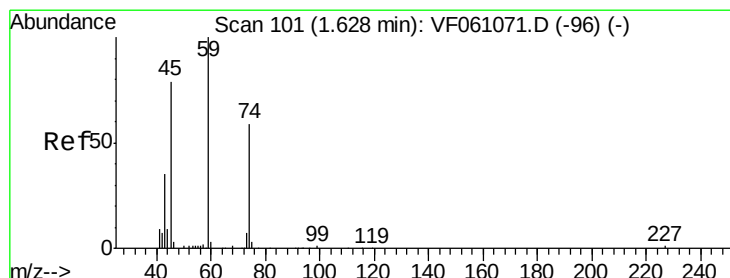
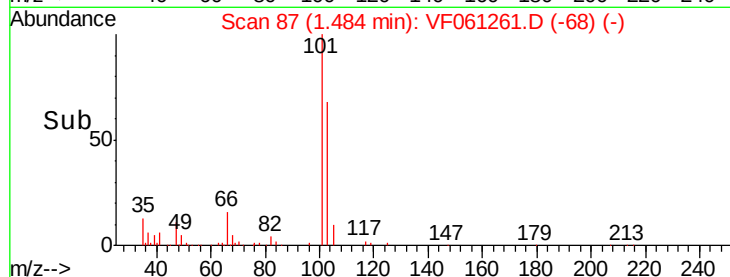
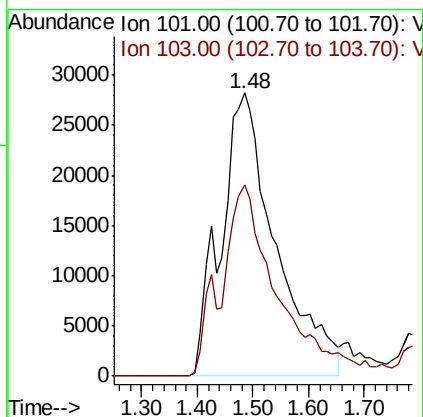
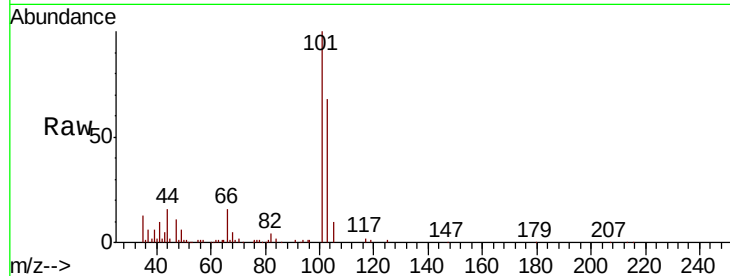
Trichlorofluoromethane
Concen: 51.110 ug/l m
RT: 1.48 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 194229
Ion Ratio Lower Upper
101 100
103 67.7 50.7 76.1

Manual Integrations
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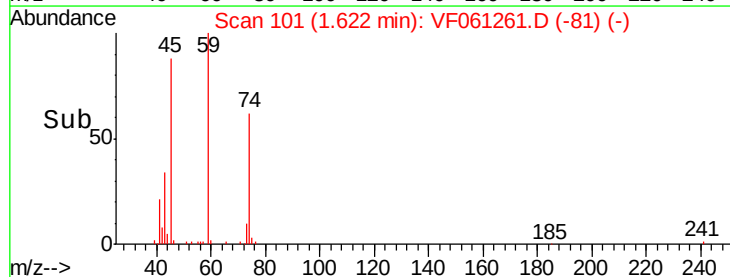
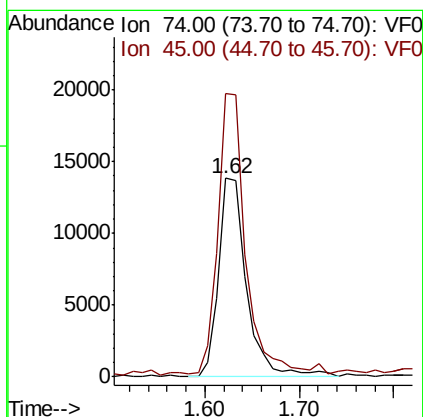
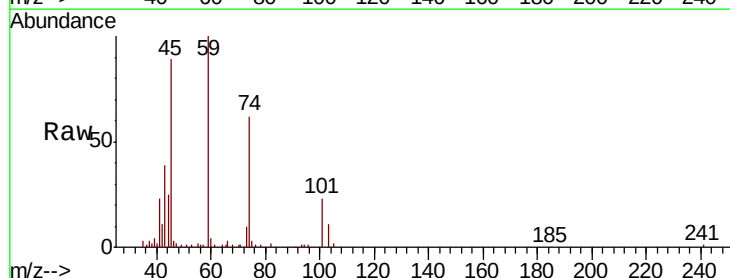
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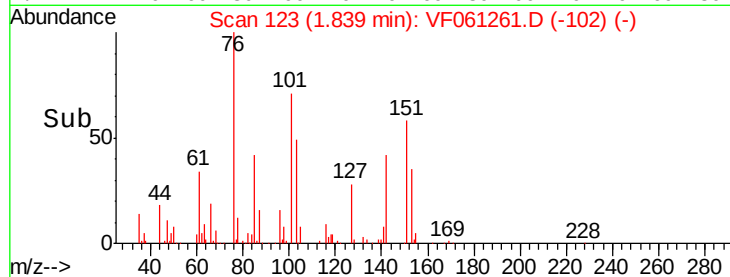
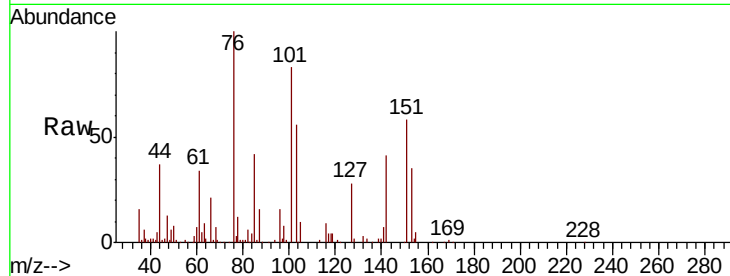
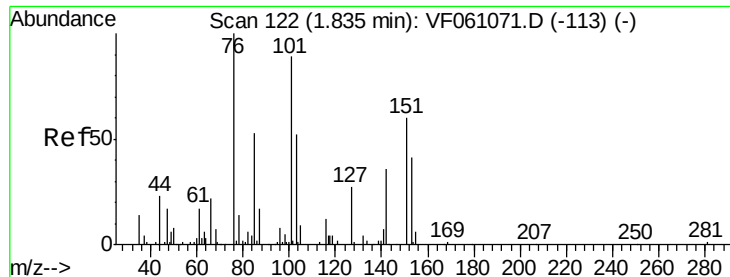


#8

Diethyl Ether
Concen: 54.715 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion: 74 Resp: 28473
Ion Ratio Lower Upper
74 100
45 142.6 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.585 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF061261.D

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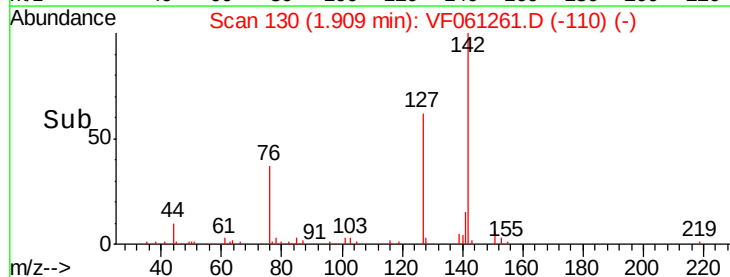
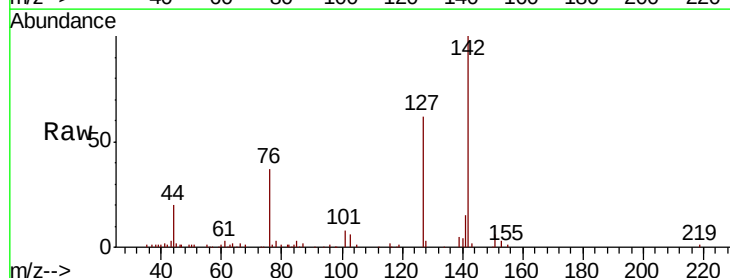
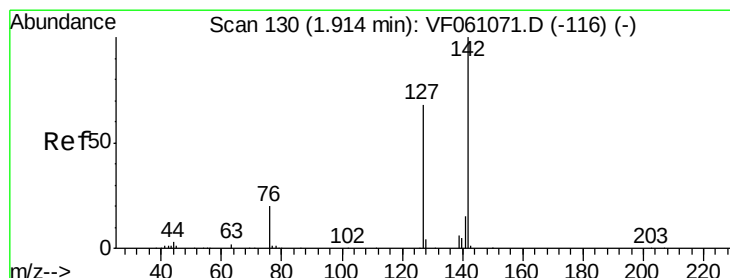
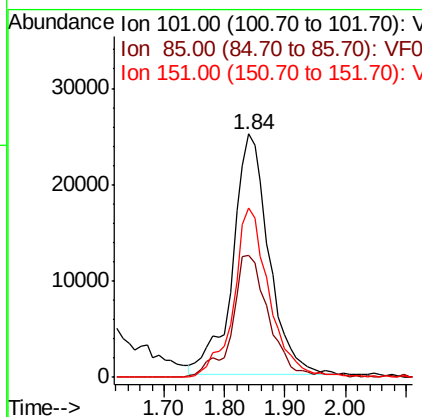
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	103611
Ion Ratio	Lower	Upper	
101	100		
85	50.0	44.5	66.7
151	69.4	49.9	74.9

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#10

Methyl Iodide

Concen: 51.893 ug/l m

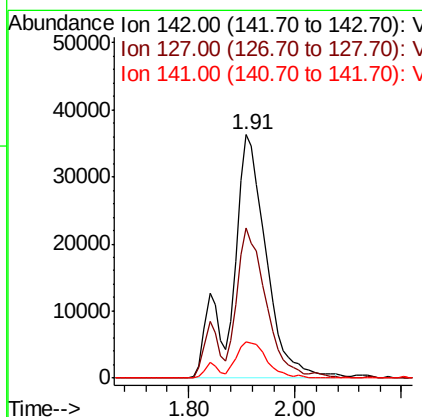
RT: 1.91 min Scan# 130

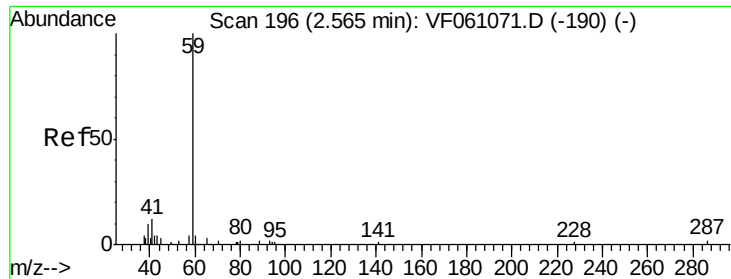
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	142	Resp:	161176
Ion Ratio	Lower	Upper	
142	100		
127	61.8	54.7	82.1
141	14.7	12.2	18.2





#11

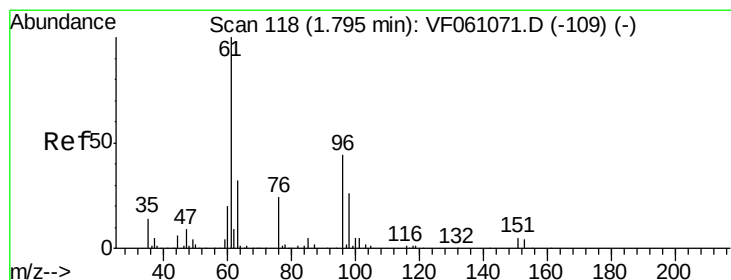
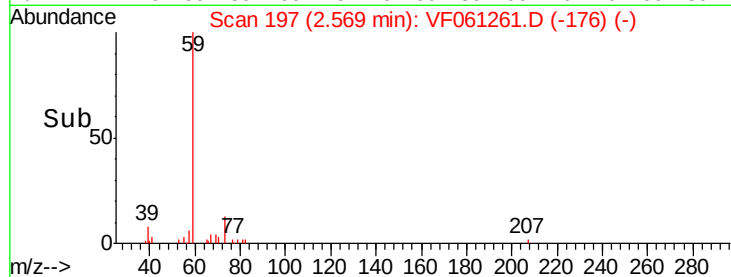
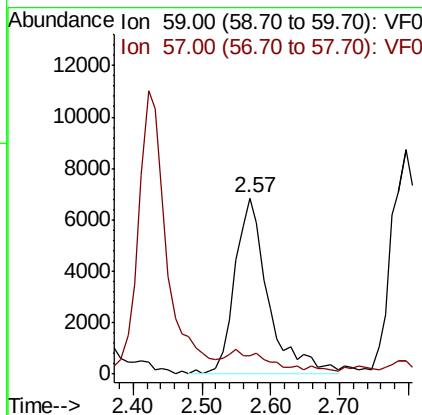
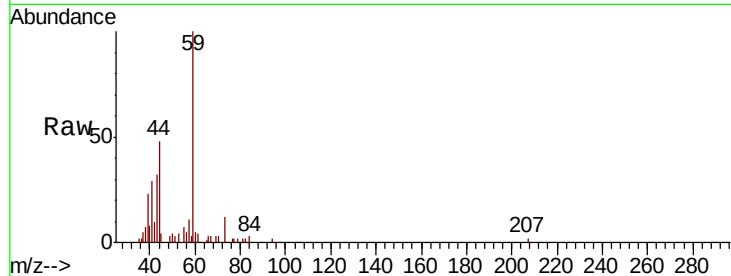
Tert butyl alcohol
Concen: 264.945 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	11.5	17.3#

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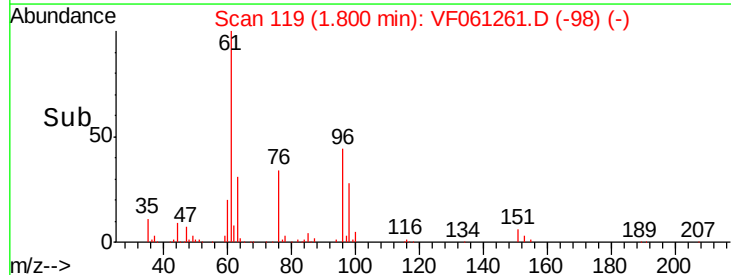
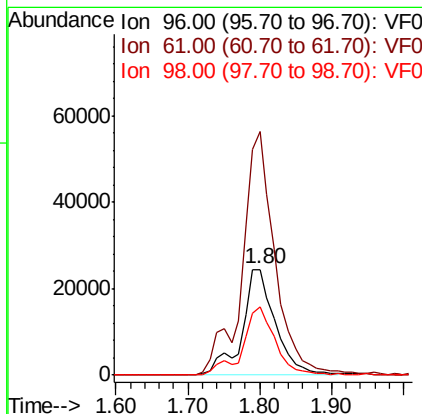
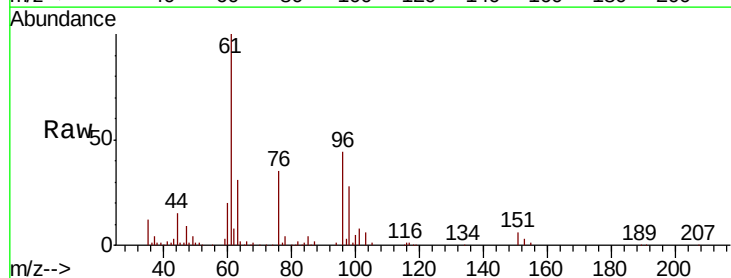
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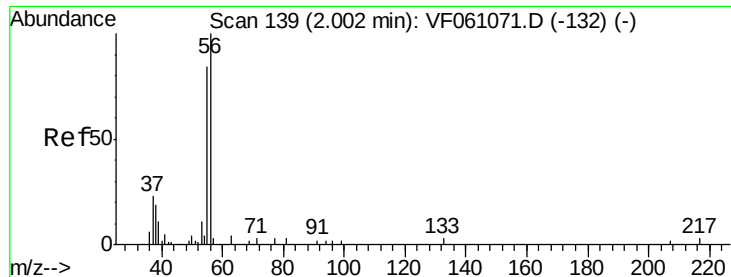


#12

1,1-Dichloroethene
Concen: 53.150 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	229.7	182.0	273.0
98	64.6	46.5	69.7





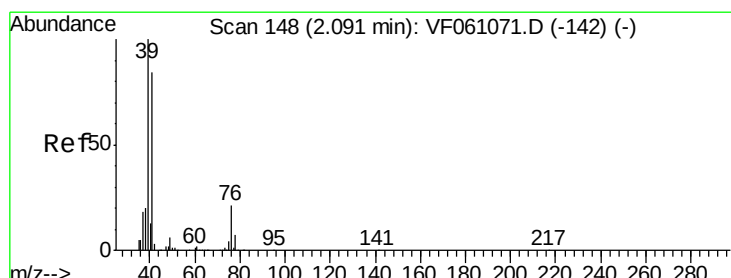
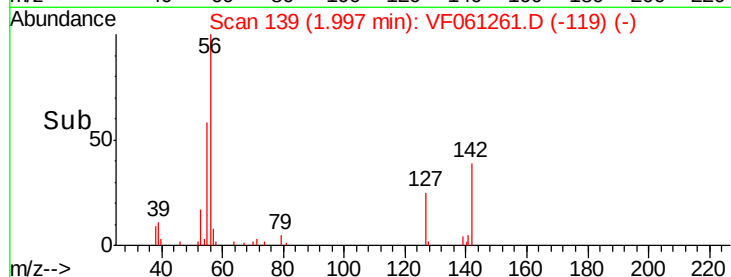
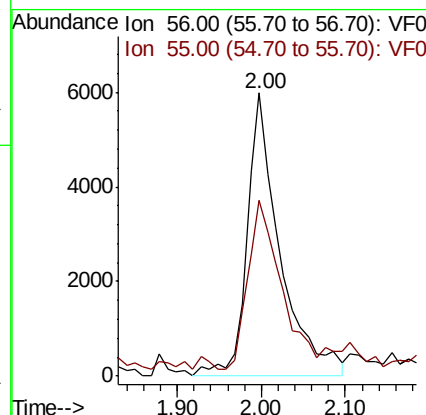
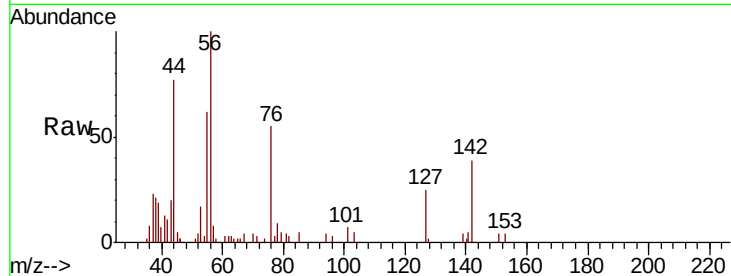
#13
Acrolein
Concen: 258.353 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 16326
Ion Ratio Lower Upper
56 100
55 61.9 70.2 105.2#

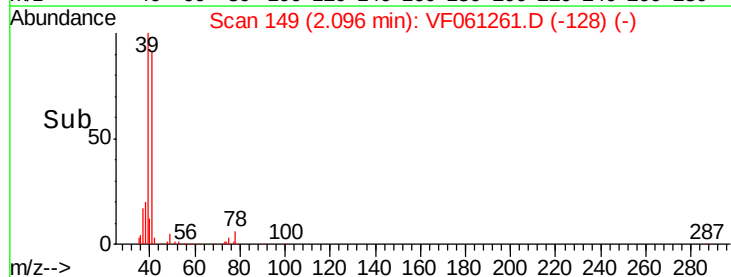
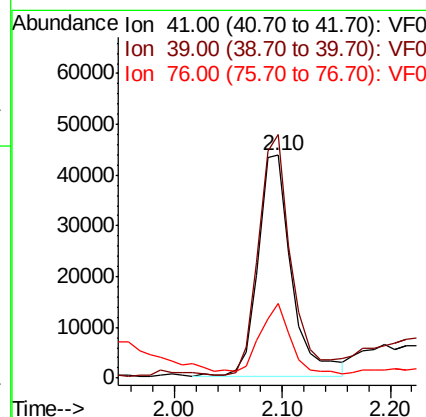
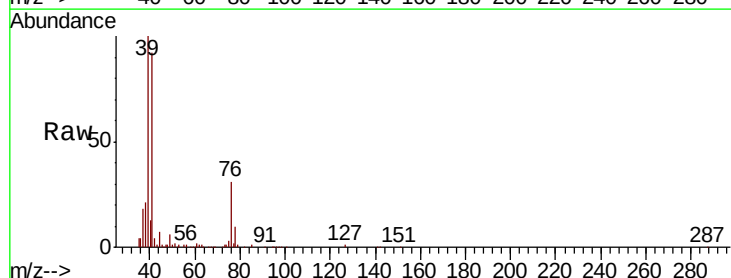
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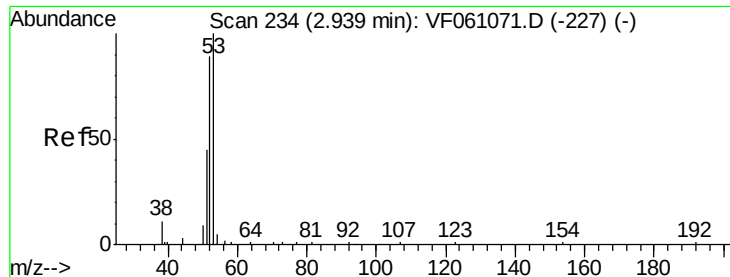
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#14
Allyl chloride
Concen: 61.489 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion: 41 Resp: 95041
Ion Ratio Lower Upper
41 100
39 109.3 96.4 144.6
76 33.5 25.4 38.0





#15

Acrylonitrile

Concen: 323.760 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

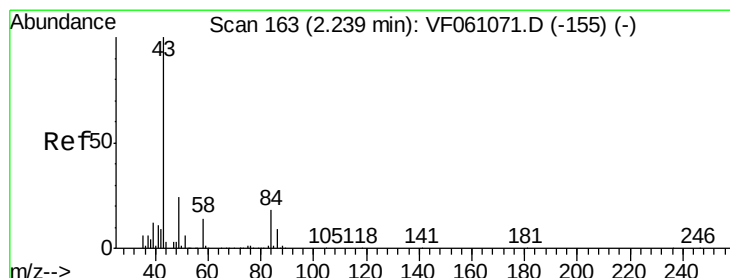
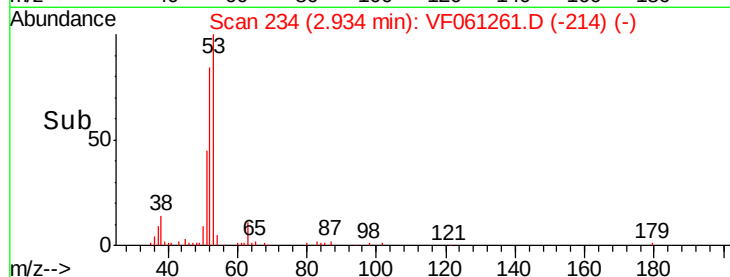
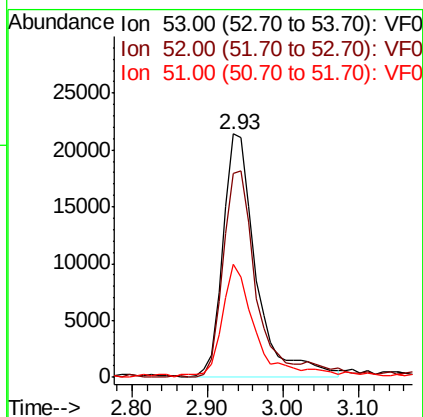
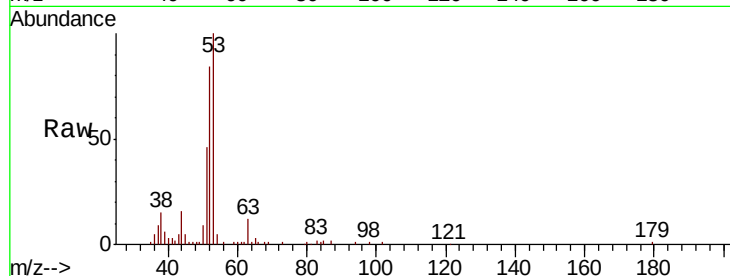
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	65472
Ion	Ratio	Lower	Upper
53	100		
52	83.8	71.3	106.9
51	46.2	36.8	55.2

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#16

Acetone

Concen: 222.068 ug/l

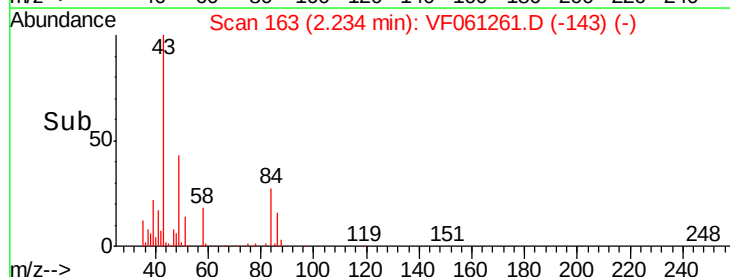
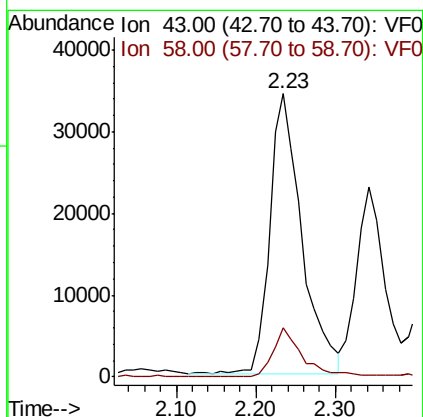
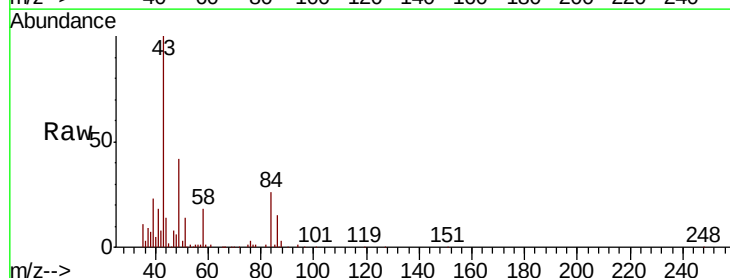
RT: 2.23 min Scan# 163

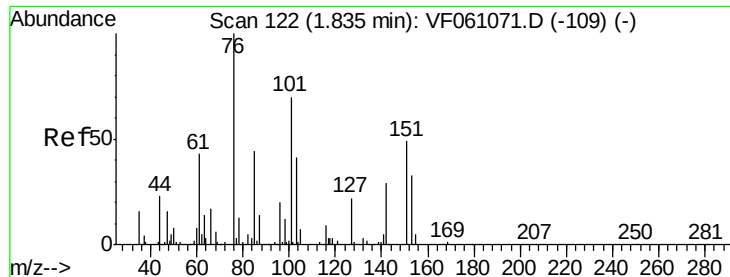
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	43	Resp:	96207
Ion	Ratio	Lower	Upper
43	100		
58	17.6	11.1	16.7#





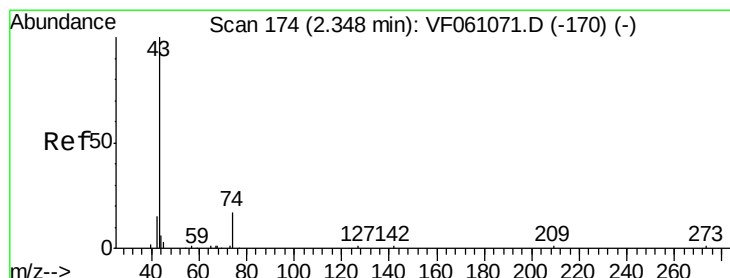
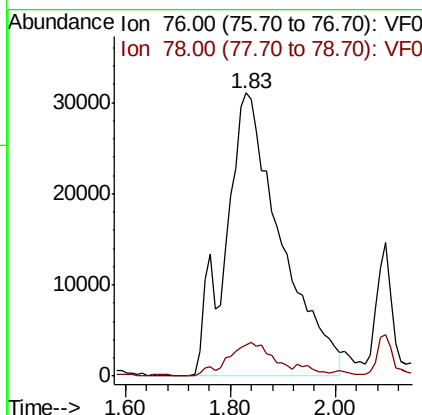
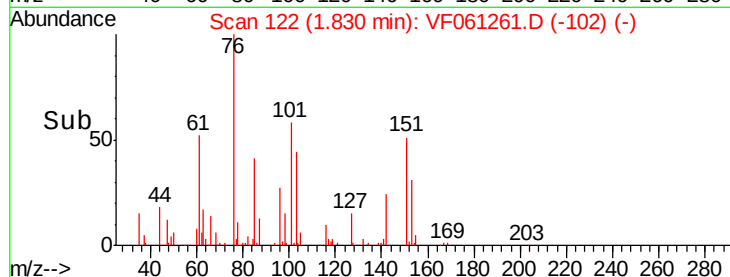
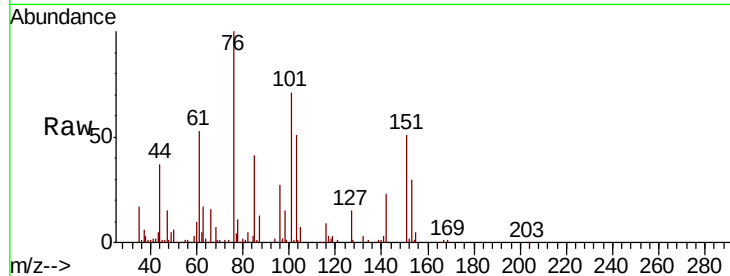
#17
Carbon Disulfide
Concen: 50.998 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 228905
Ion Ratio Lower Upper
76 100
78 11.1 10.2 15.4

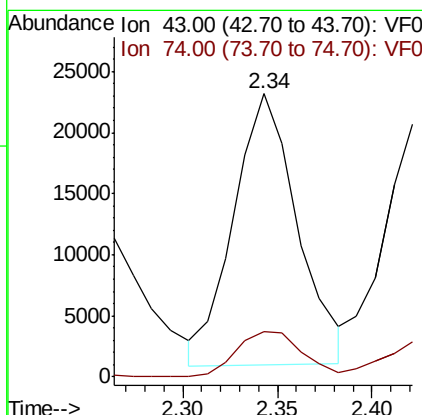
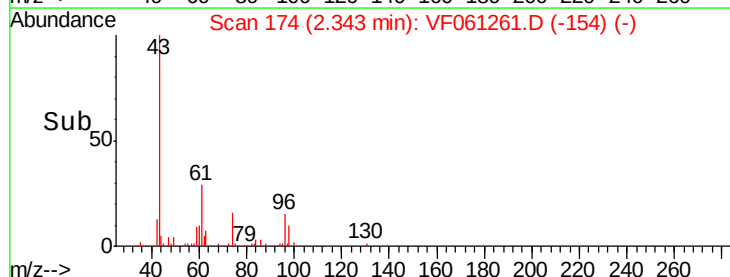
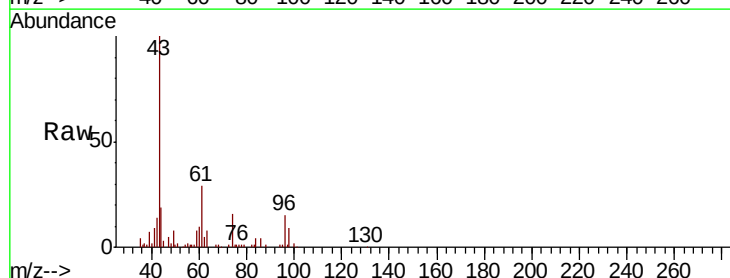
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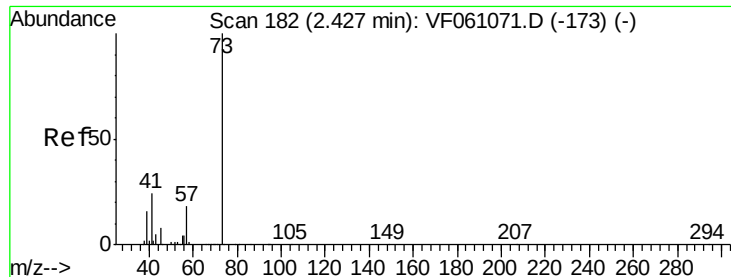
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#18
Methyl Acetate
Concen: 57.852 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion: 43 Resp: 51854
Ion Ratio Lower Upper
43 100
74 16.0 11.0 16.6





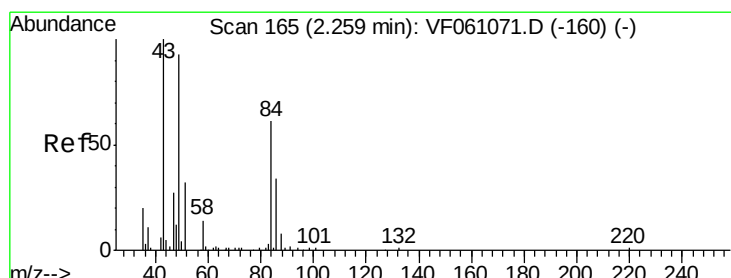
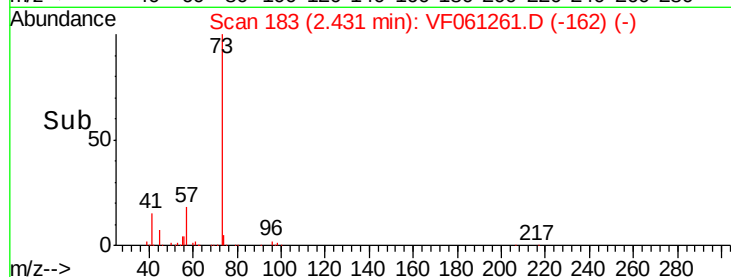
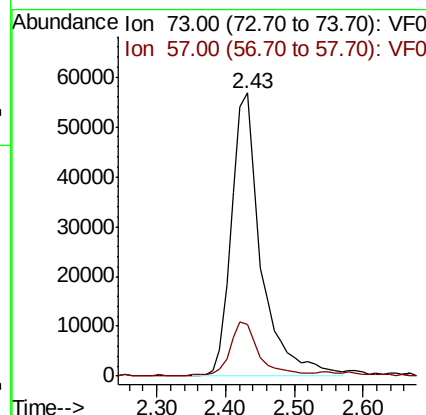
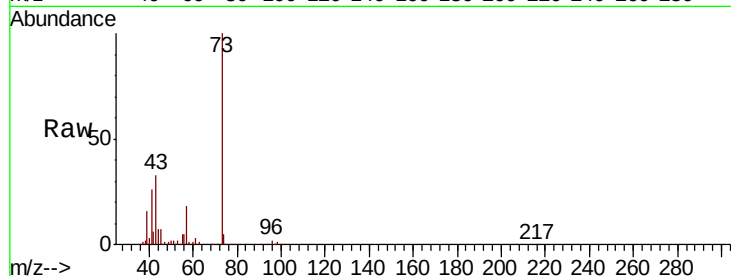
#19
Methyl tert-butyl Ether
Concen: 51.347 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.2	14.5	21.7

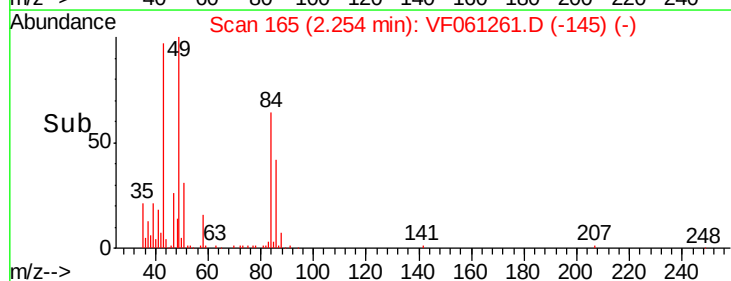
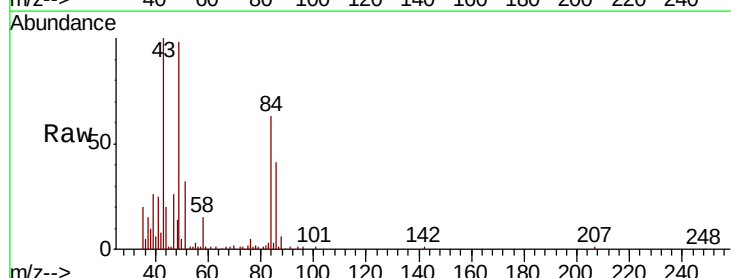
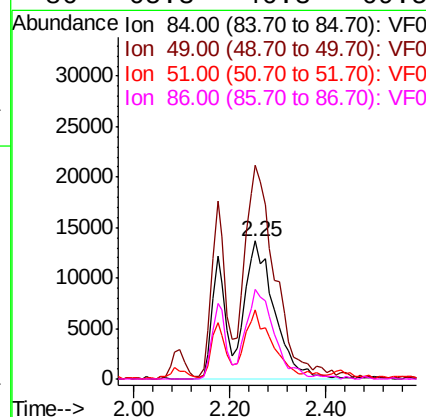
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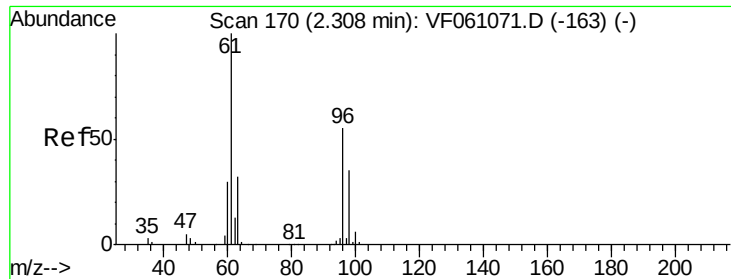
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#20
Methylene Chloride
Concen: 60.368 ug/l m
RT: 2.25 min Scan# 165
Delta R.T. -0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.8	129.4	194.2
51	50.1	44.0	66.0
86	65.3	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 49.474 ug/l m

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

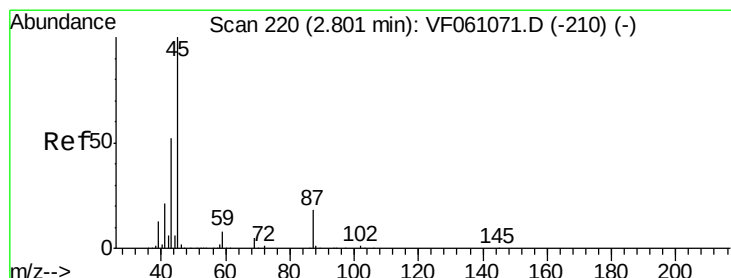
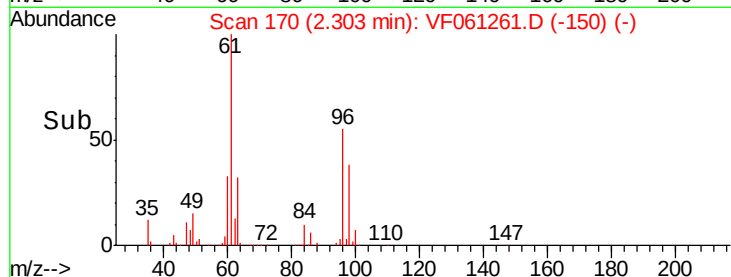
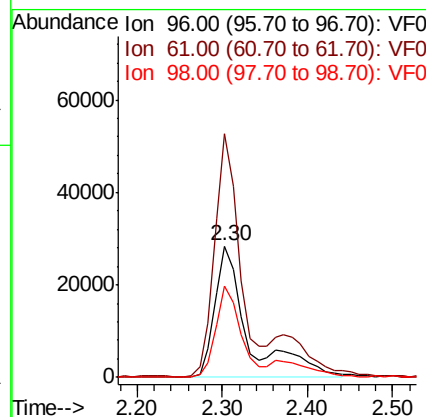
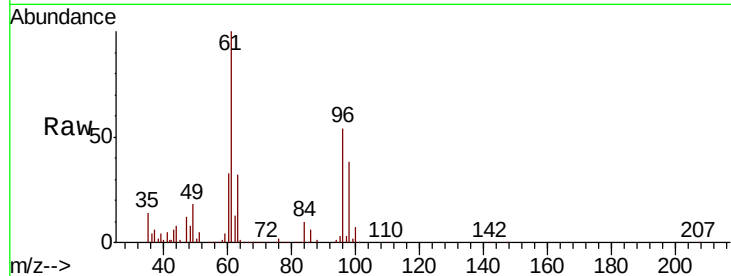
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	78593
Ion	Ratio	Lower	Upper
96	100		
61	185.1	146.0	219.0
98	69.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 53.406 ug/l

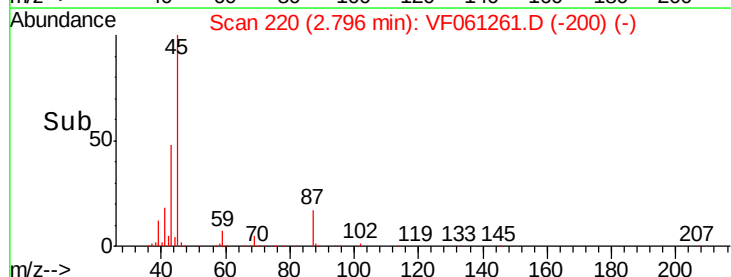
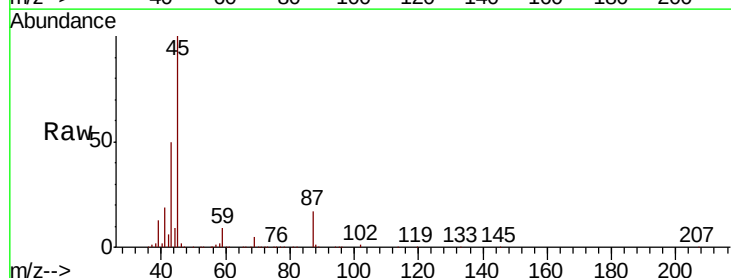
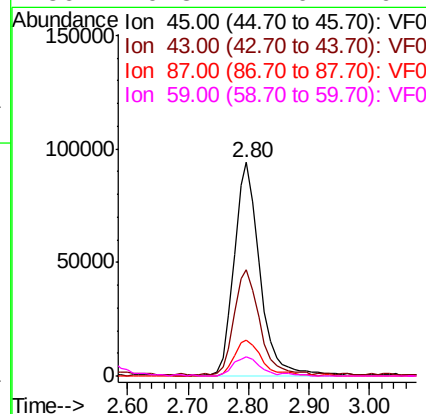
RT: 2.80 min Scan# 220

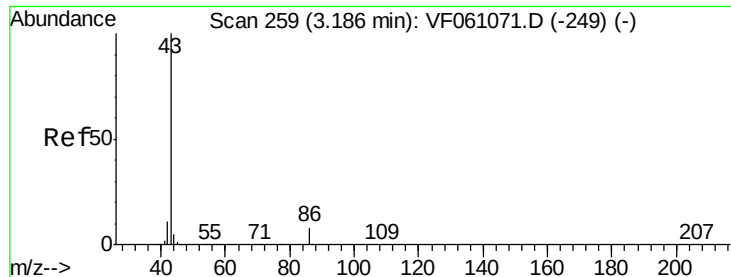
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	45	Resp:	274967
Ion	Ratio	Lower	Upper
45	100		
43	49.9	42.2	63.2
87	16.6	14.6	22.0
59	9.3	7.0	10.4





#23

Vinyl Acetate

Concen: 270.172 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 641711

Ion Ratio Lower Upper

43 100

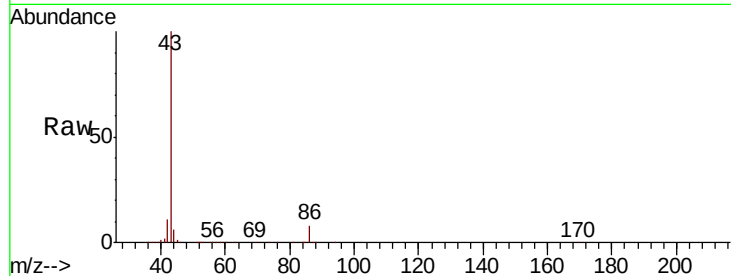
86 7.9 6.3 9.5

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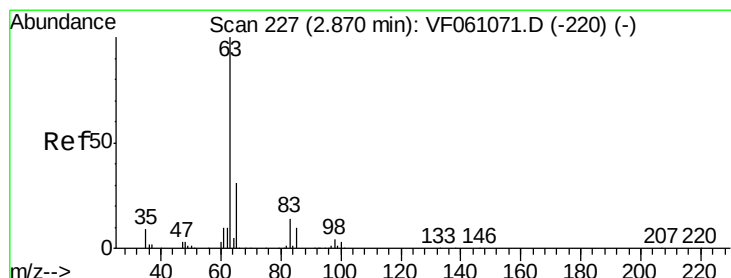
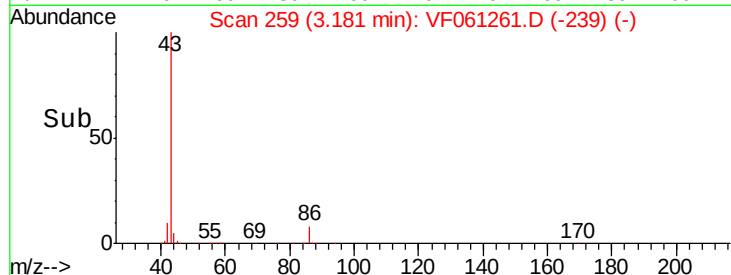
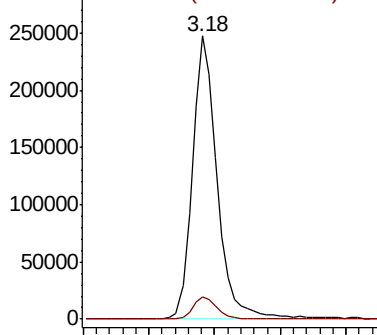
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 53.705 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

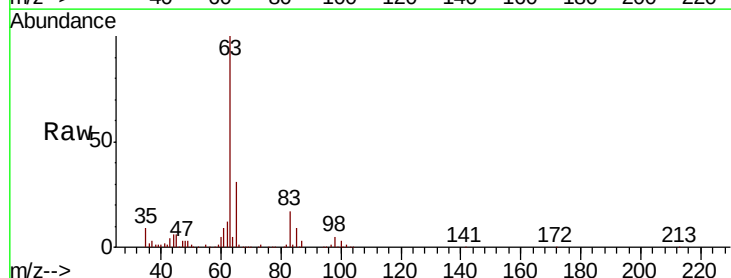
Tgt Ion: 63 Resp: 163829

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

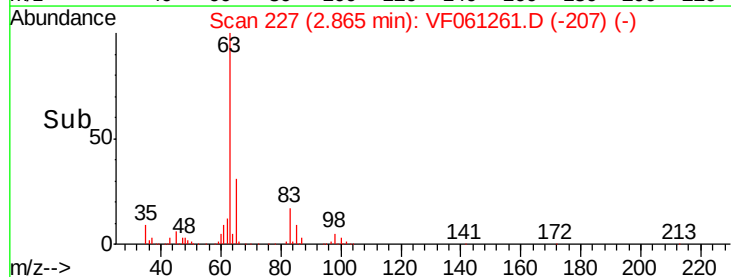
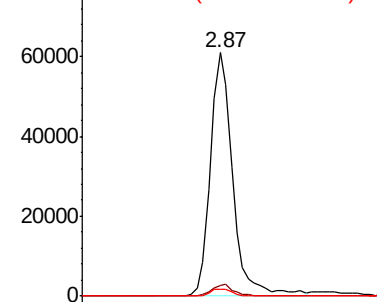
100 3.0 1.7 5.1

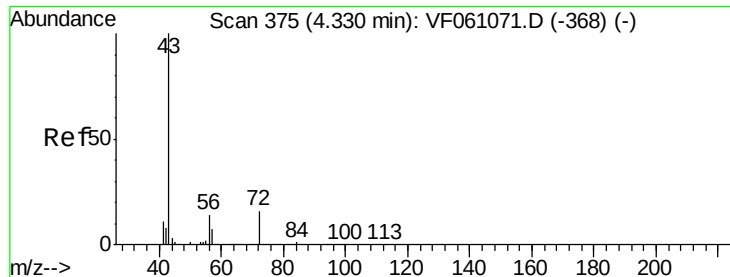


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





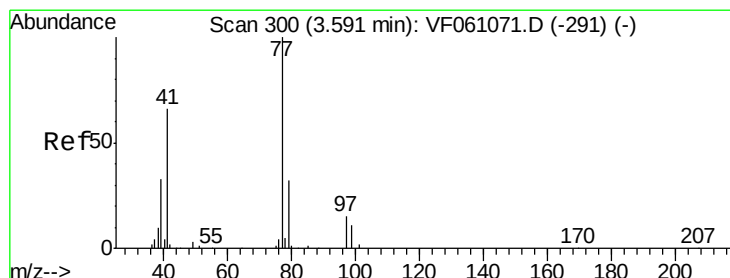
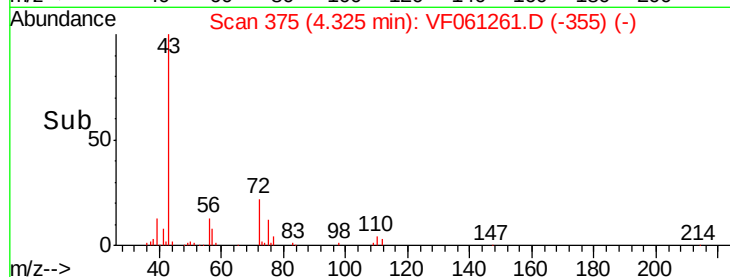
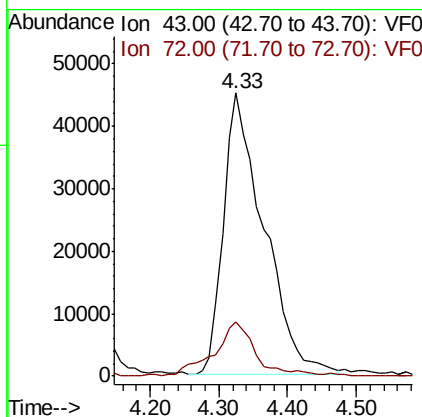
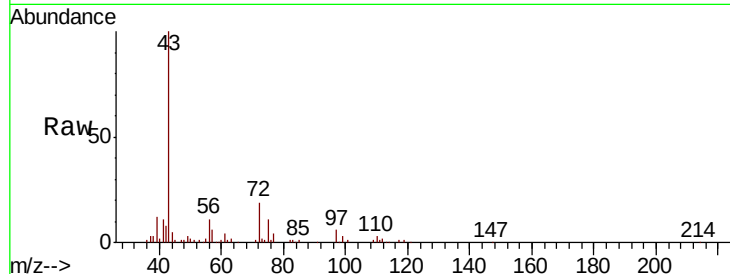
#25
2-Butanone
Concen: 260.621 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	183117
Ion Ratio	43	100	
Lower	72	19.2	15.6
Upper			23.4

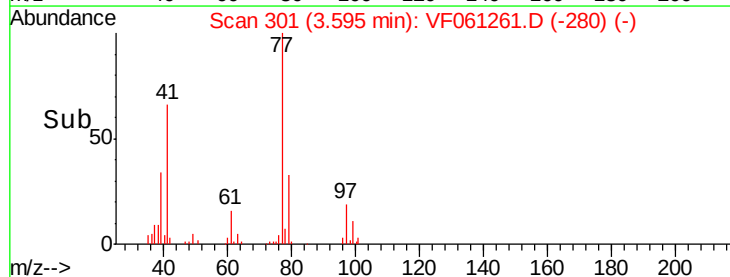
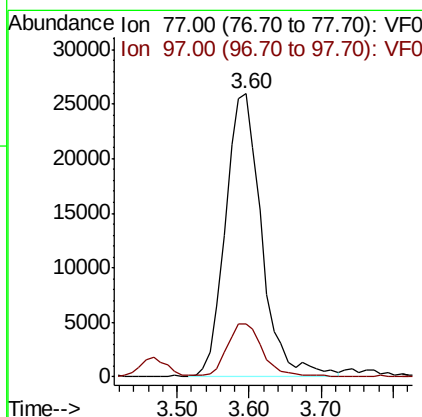
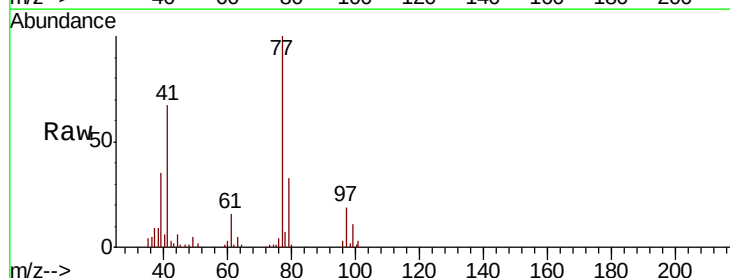
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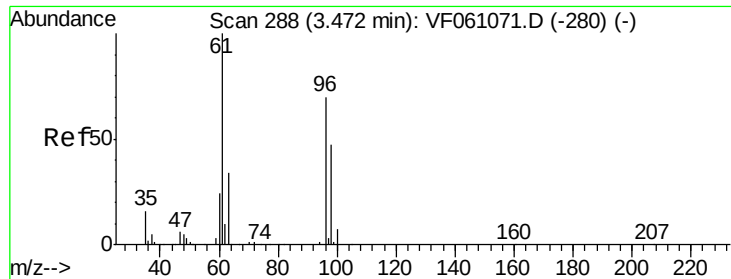
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#26
2,2-Dichloropropane
Concen: 51.780 ug/l
RT: 3.60 min Scan# 301
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	77	Resp	90648
Ion Ratio	77	100	
Lower	97	18.6	8.2
Upper			24.4





#27

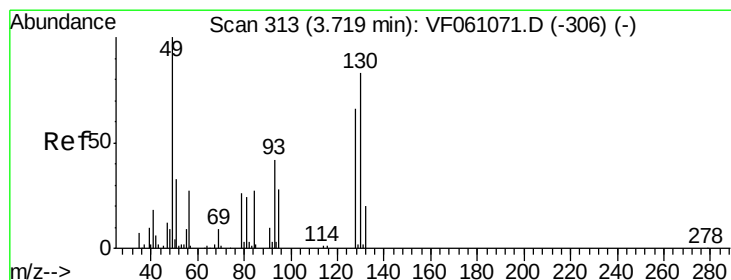
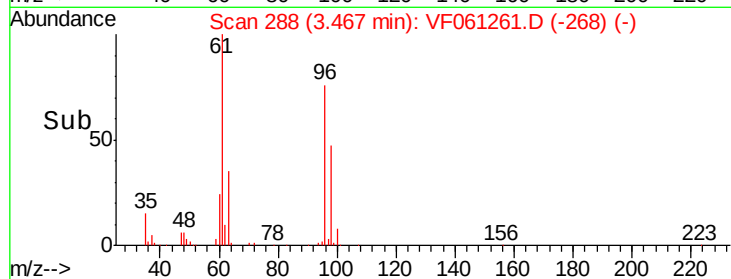
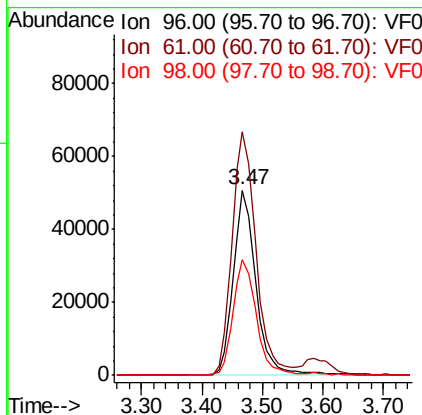
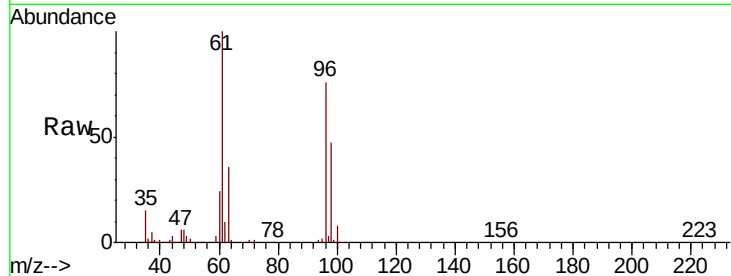
cis-1,2-Dichloroethene
 Concen: 54.663 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132940		
61	131.5	0.0	287.8	
98	62.3	0.0	134.2	

Manual Integrations
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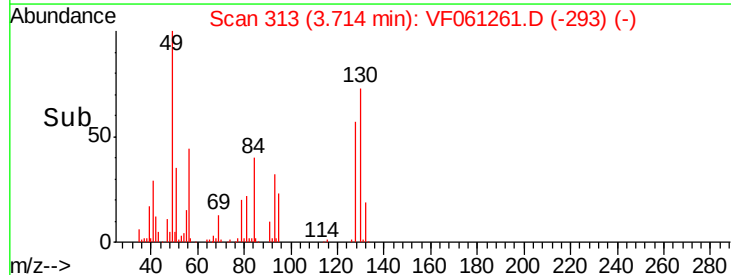
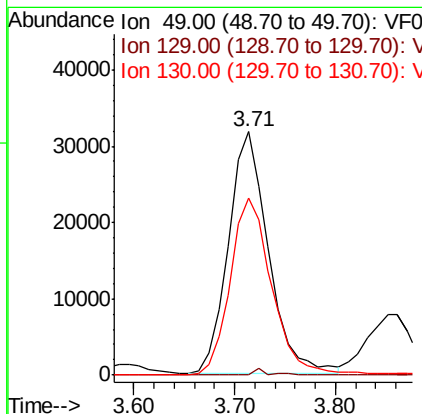
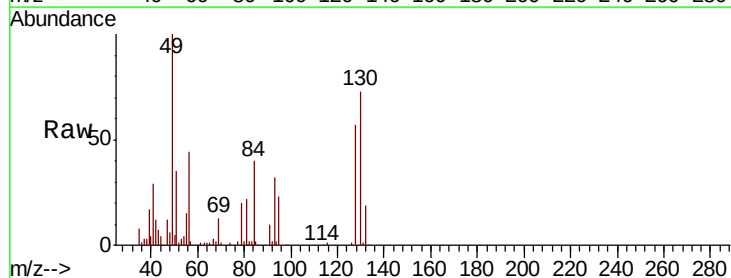
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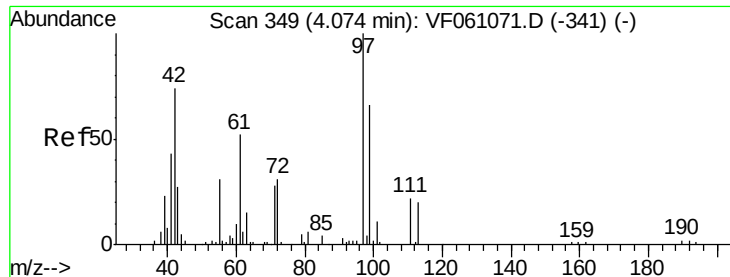


#28

Bromochloromethane
 Concen: 56.191 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86975		
129	0.0	0.0	3.6	
130	72.8	65.8	98.6	





#29

Tetrahydrofuran

Concen: 289.835 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

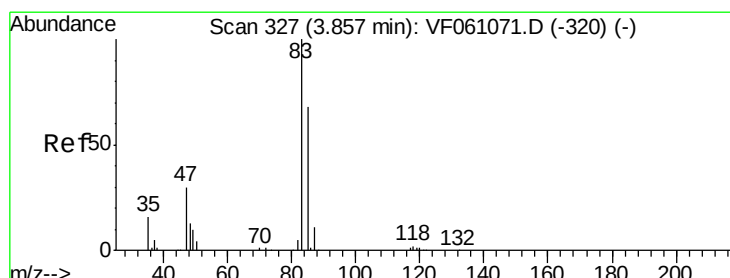
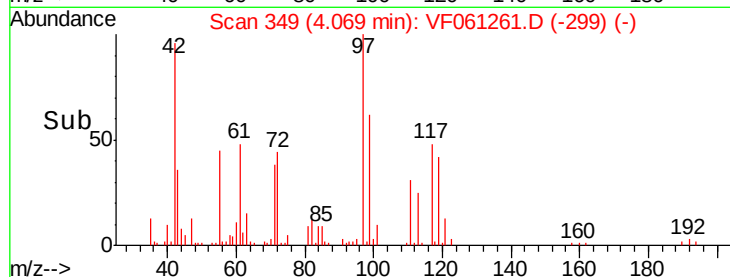
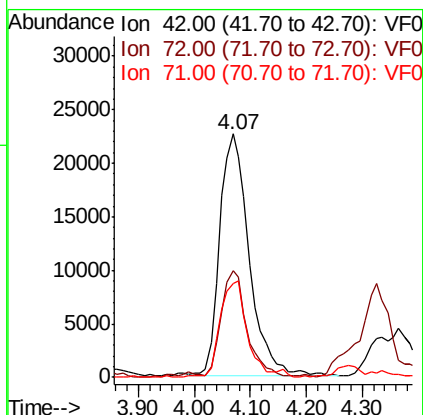
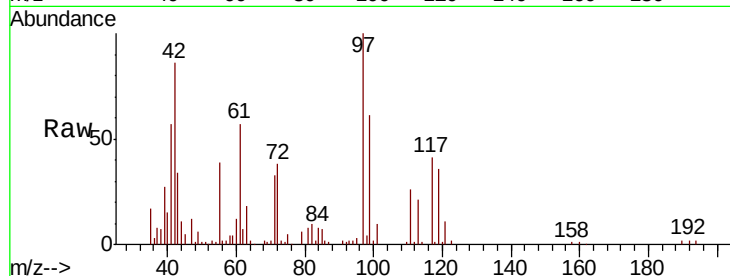
ClientSampleId :

VSTDCCC050EC

Tot Ion	42	Resp	82885
Ion	Ratio	Lower	Upper
42	100		
72	37.1	31.8	47.8
71	37.1	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 50.401 ug/l

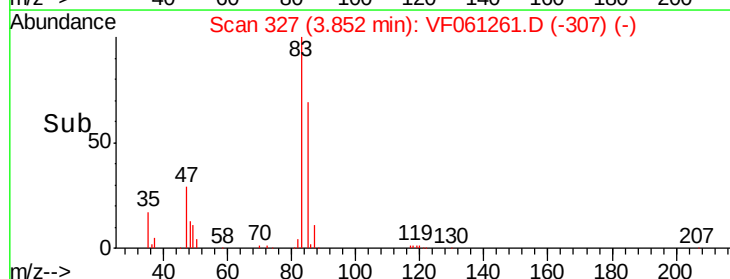
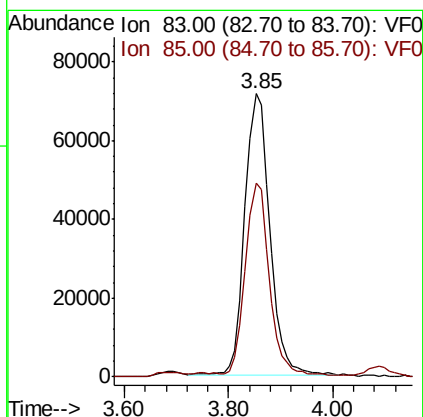
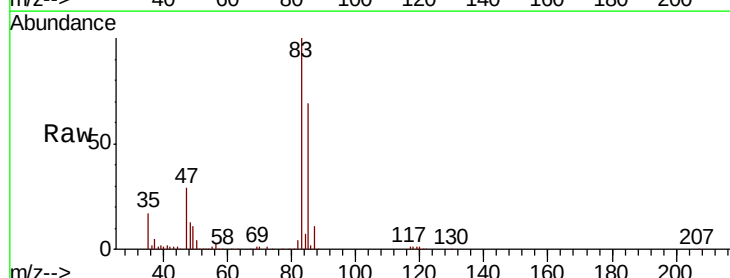
RT: 3.85 min Scan# 327

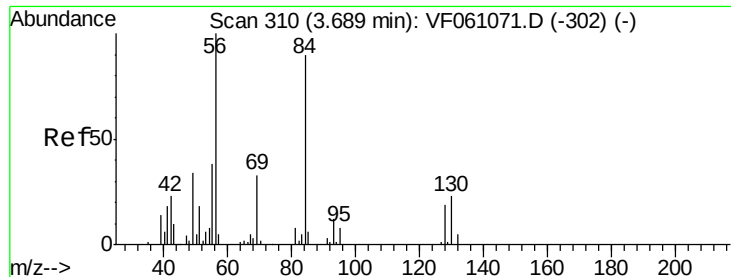
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion	83	Resp	230537
Ion	Ratio	Lower	Upper
83	100		
85	68.6	54.5	81.7





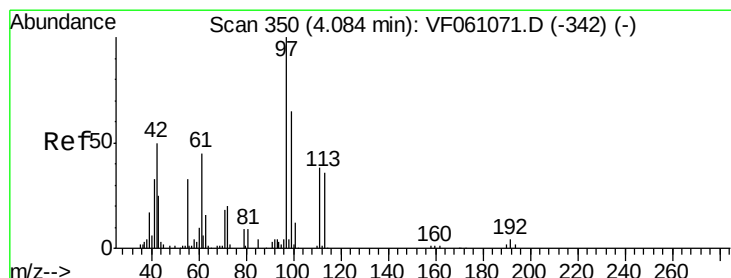
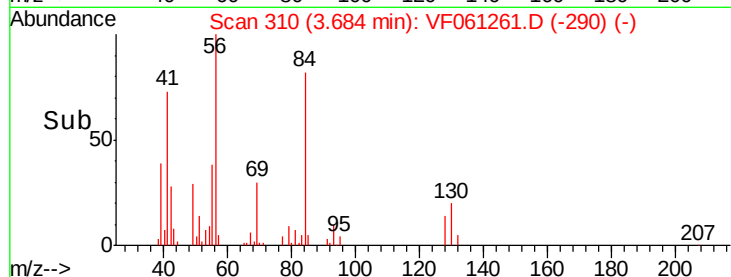
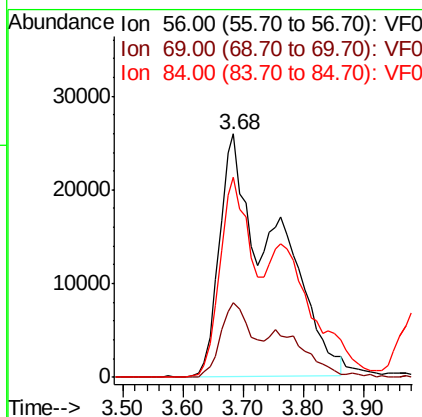
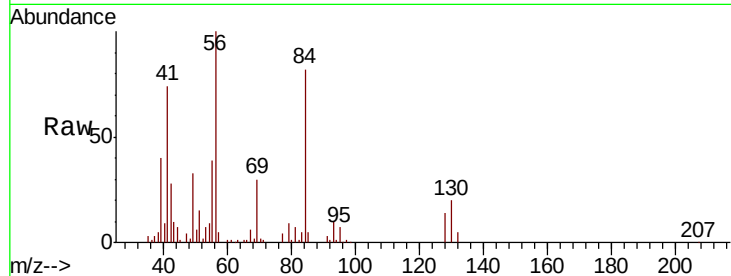
#31
Cyclohexane
Concen: 52.354 ug/l m
RT: 3.68 min Scan# 310
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.0	39.0
84	82.4	71.4	107.2

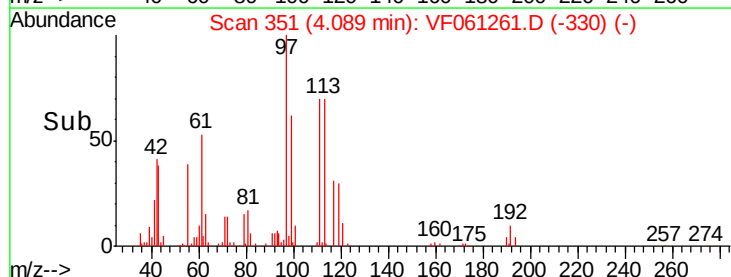
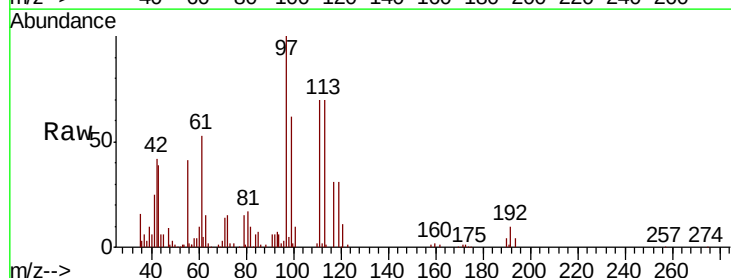
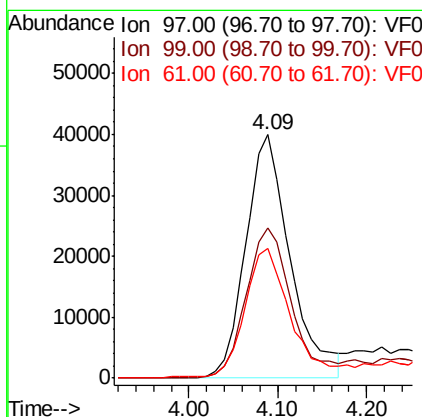
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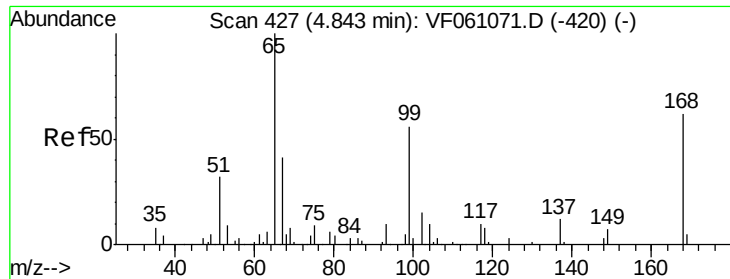
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#32
1,1,1-Trichloroethane
Concen: 50.500 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.6	77.4
61	53.3	36.2	54.2





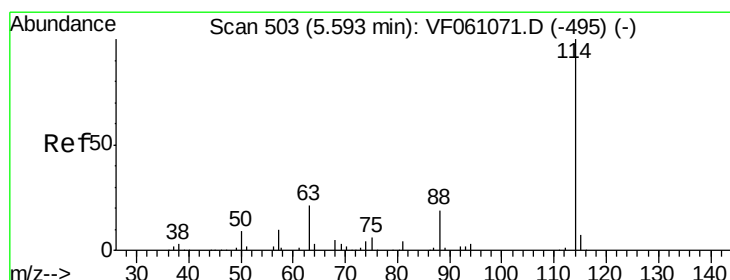
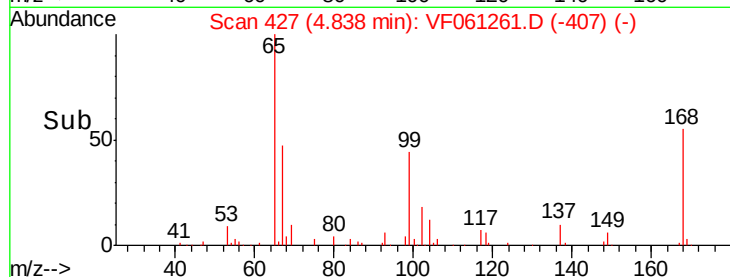
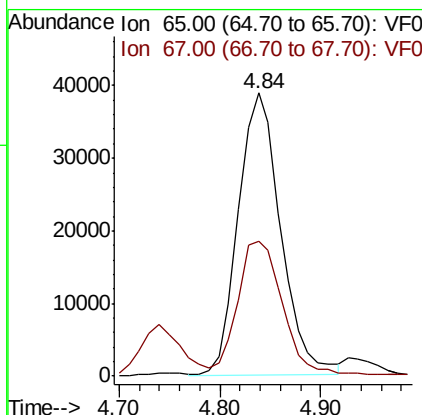
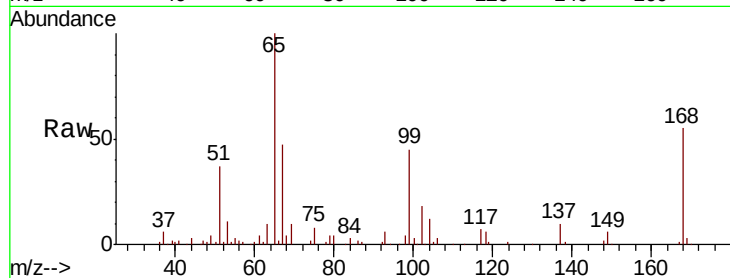
#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 114300
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 94.6

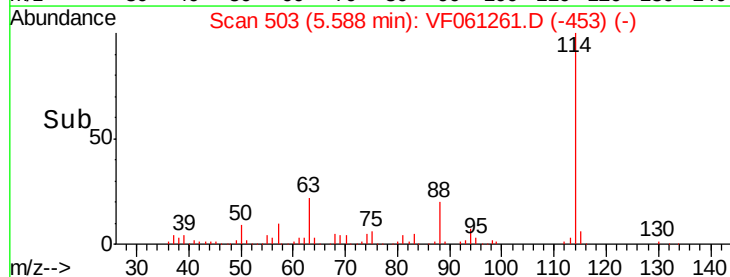
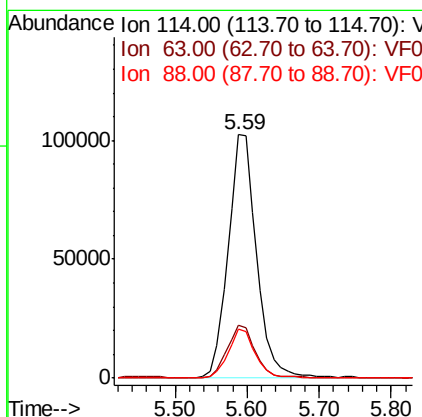
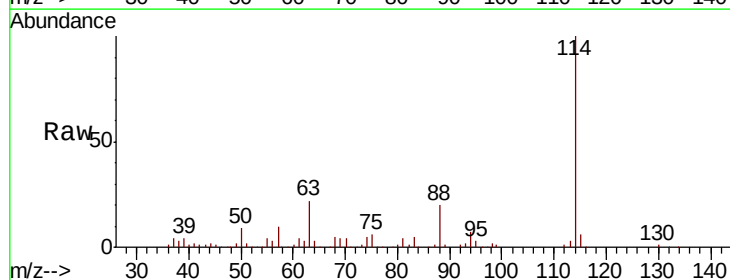
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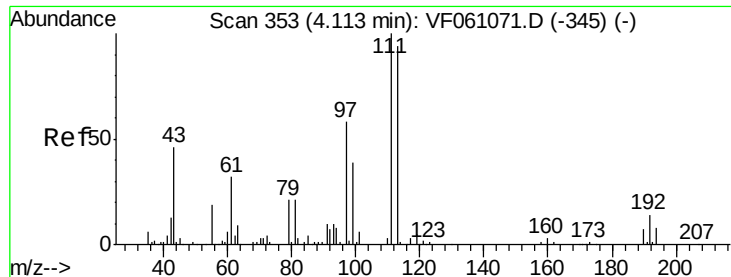
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion: 114 Resp: 281731
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 19.9 0.0 38.0





#35

Dibromofluoromethane

Concen: 56.947 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

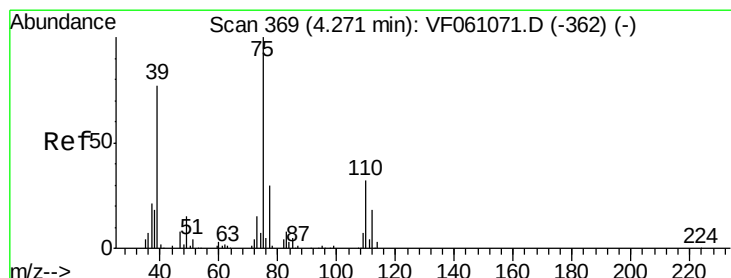
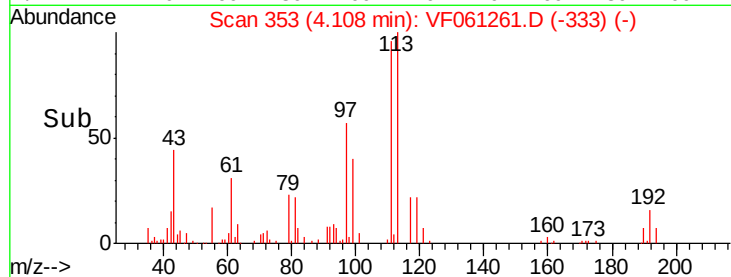
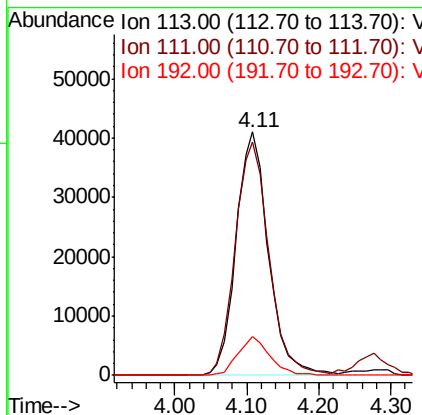
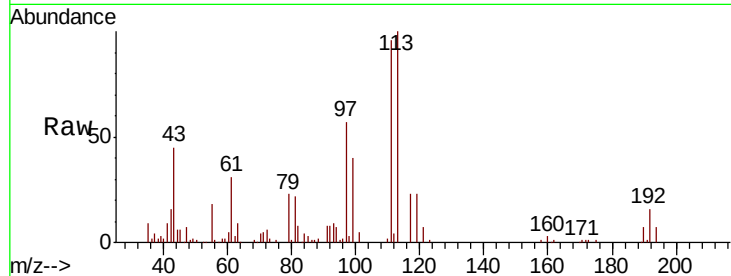
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	128520
Ion Ratio	Lower	Upper	
113	100		
111	95.8	85.2	127.8
192	15.9	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.846 ug/l

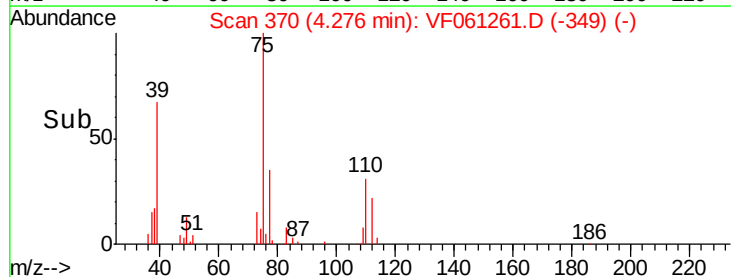
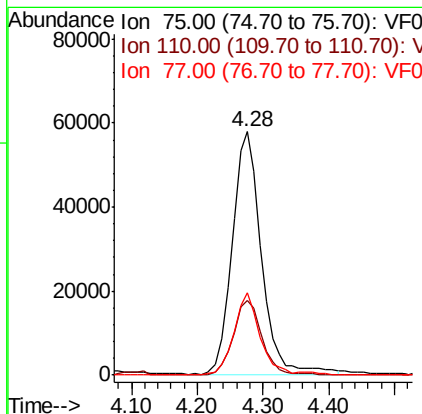
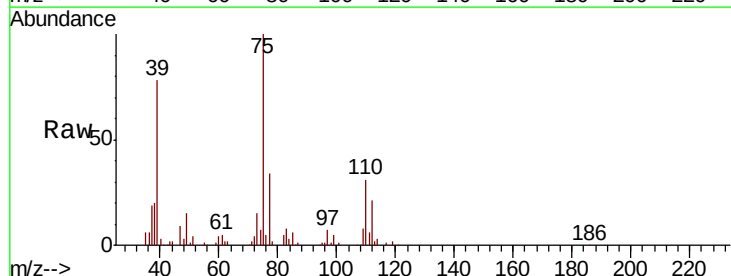
RT: 4.28 min Scan# 370

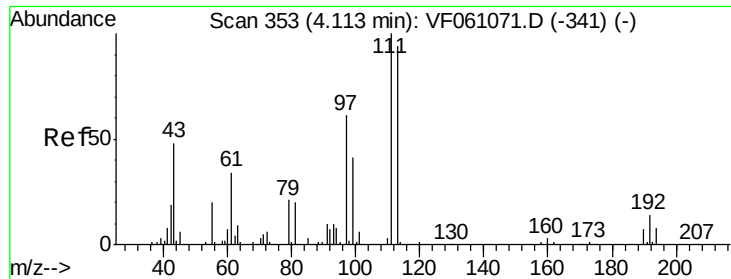
Delta R.T. 0.00 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	75	Resp:	179711
Ion Ratio	Lower	Upper	
75	100		
110	30.6	16.1	48.2
77	34.0	24.5	36.7





#37

Ethyl Acetate

Concen: 57.637 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

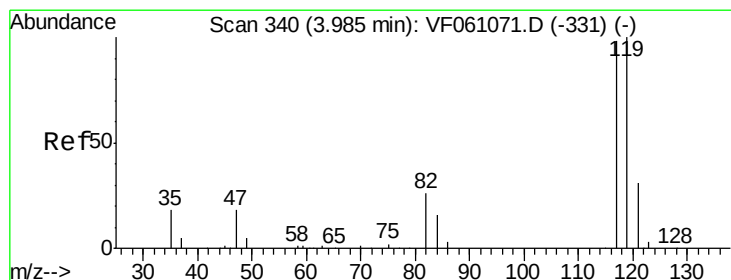
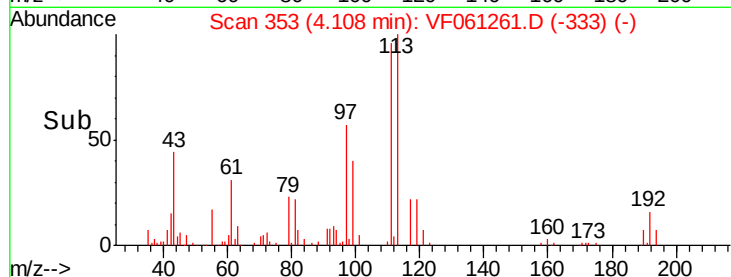
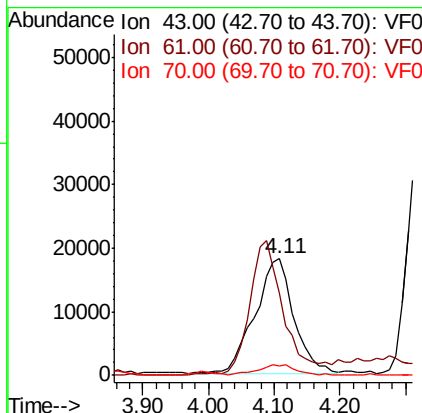
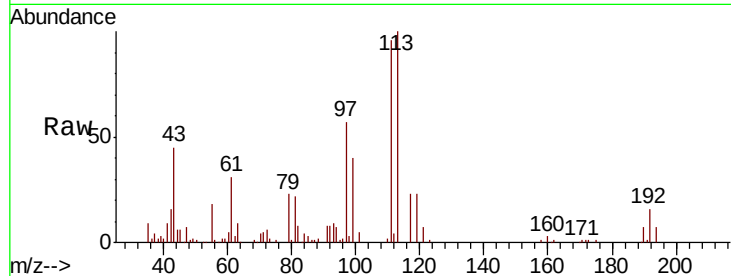
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	74185
Ion	Ratio	Lower	Upper
43	100		
61	70.0	56.6	84.8
70	8.0	6.3	9.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.679 ug/l

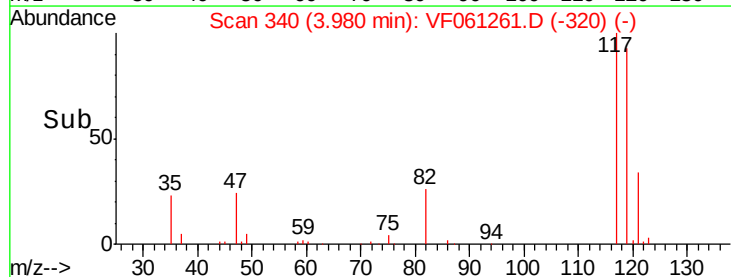
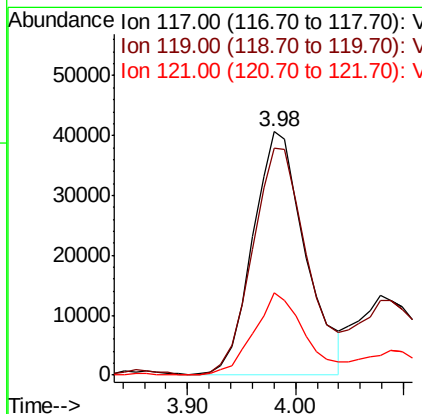
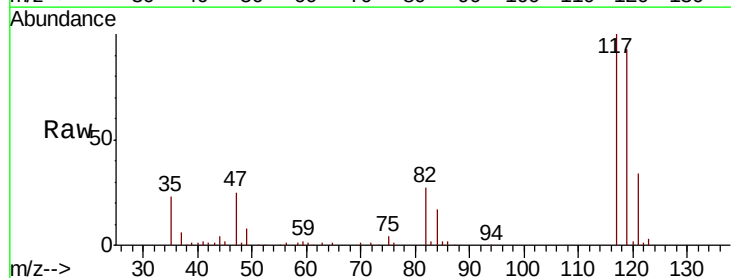
RT: 3.98 min Scan# 340

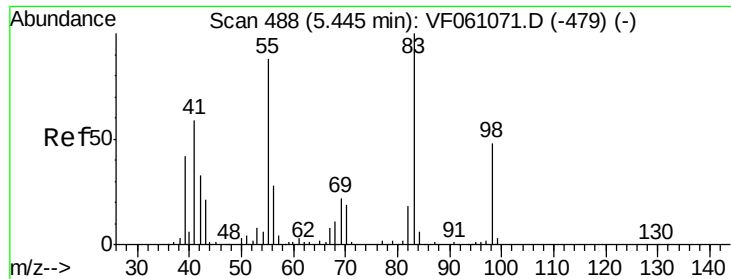
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	117	Resp:	136425
Ion	Ratio	Lower	Upper
117	100		
119	93.3	82.1	123.1
121	33.7	25.5	38.3





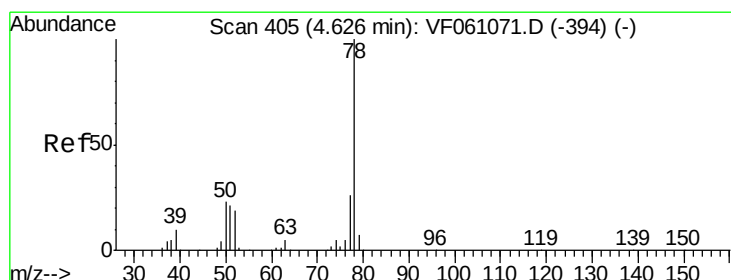
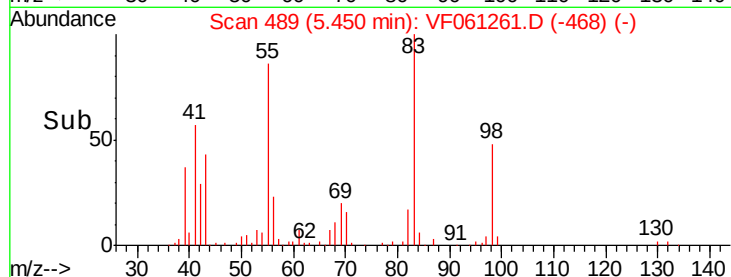
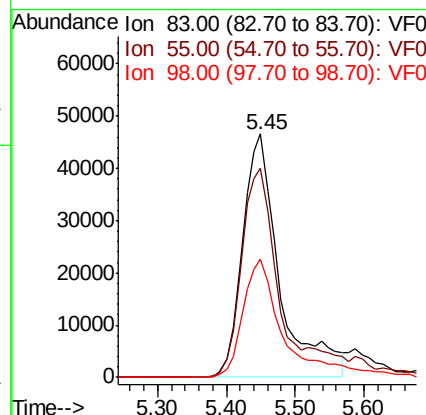
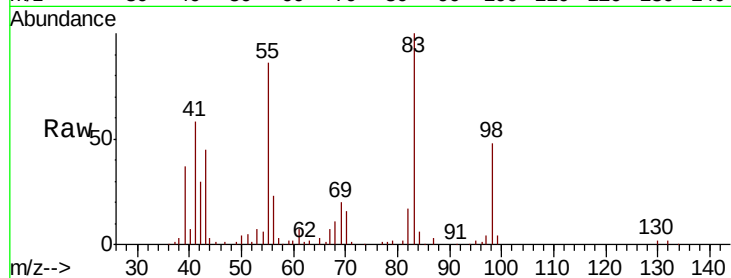
#39
Methylvlcyclohexane
Concen: 57.333 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	70.6	105.8
98	48.3	38.5	57.7

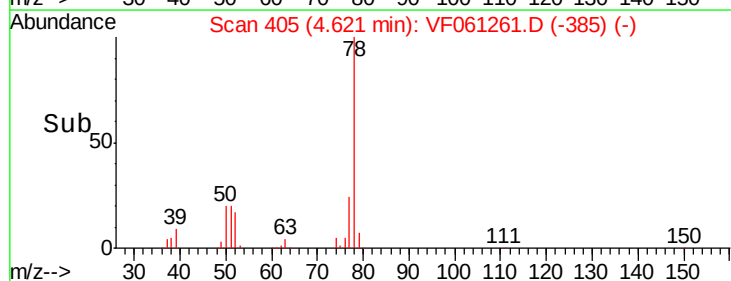
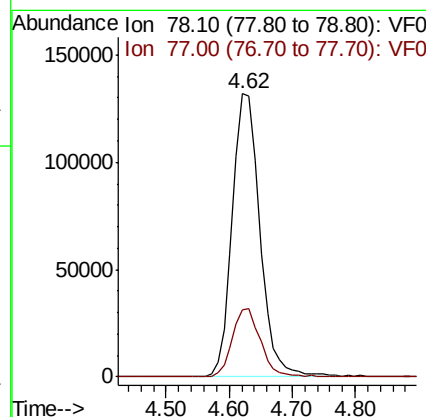
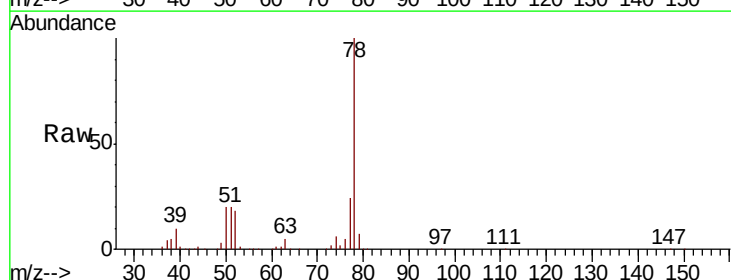
Manual Integrations
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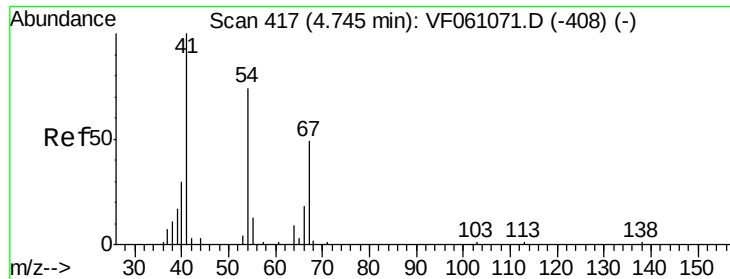
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#40
Benzene
Concen: 55.027 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





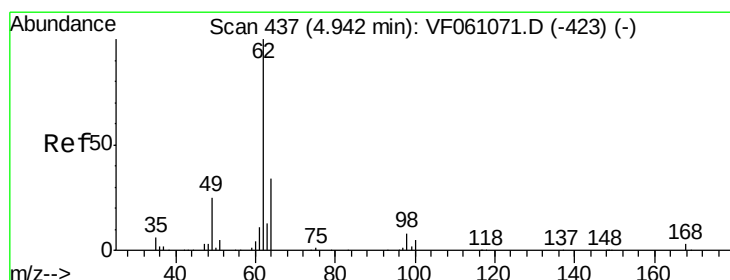
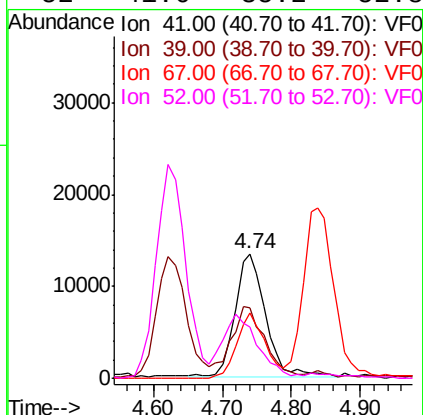
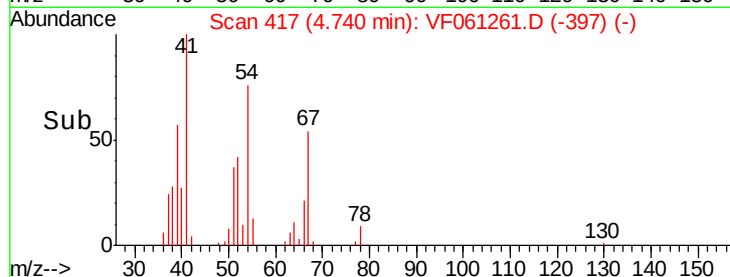
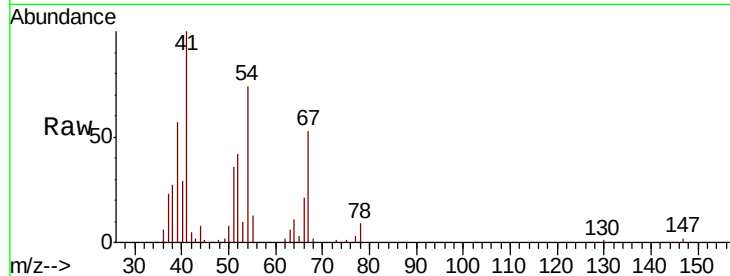
#41
Methacrylonitrile
Concen: 57.031 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	40959
Ion	Ratio	Lower	Upper
41	100		
39	56.5	45.7	68.5
67	52.7	38.9	58.3
52	41.6	35.2	52.8

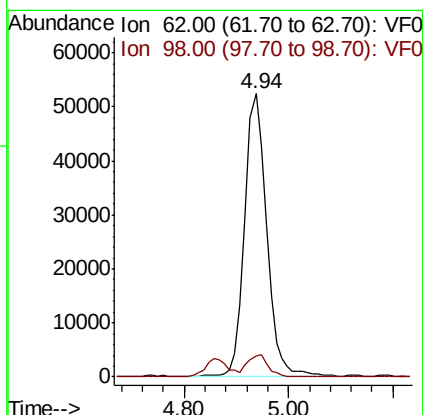
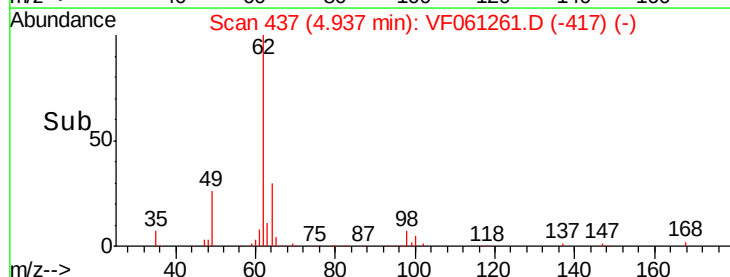
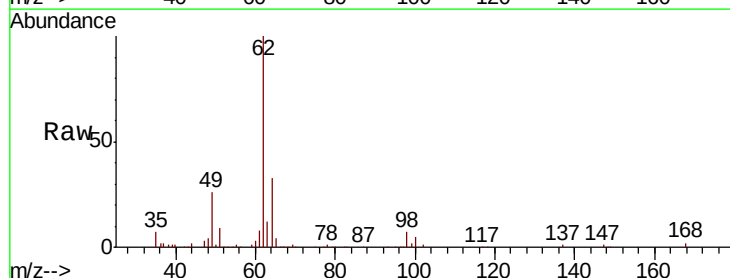
Manual Integrations
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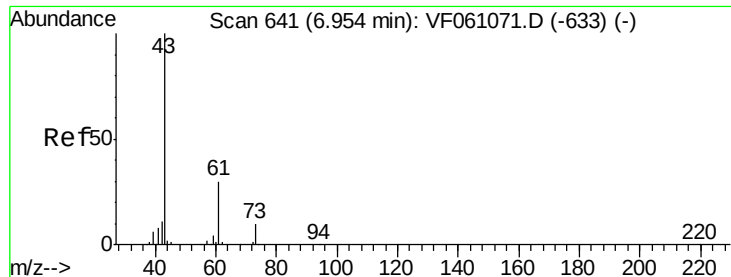
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#42
1,2-Dichloroethane
Concen: 54.005 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion:	62	Resp:	150033
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	16.6





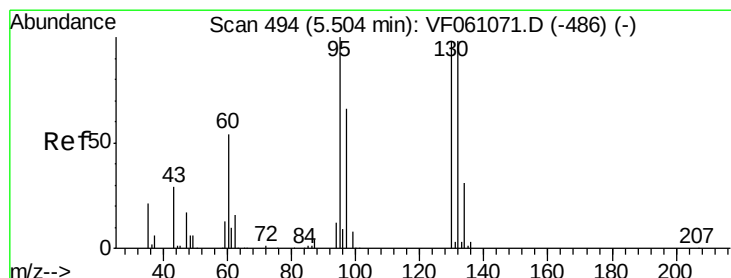
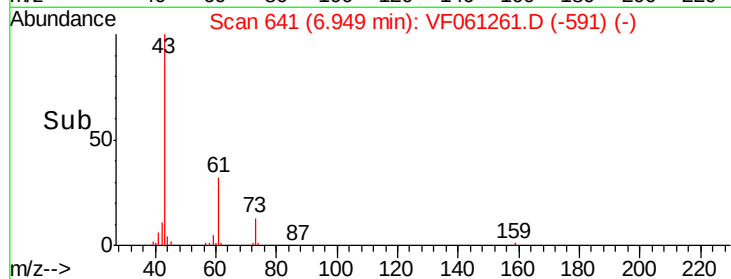
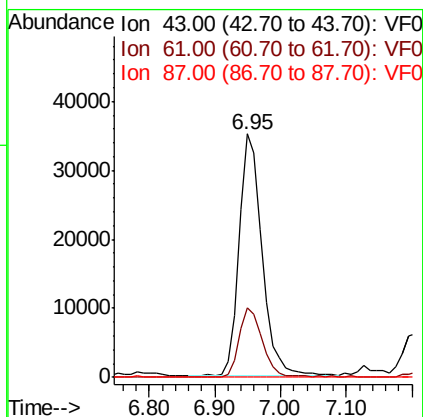
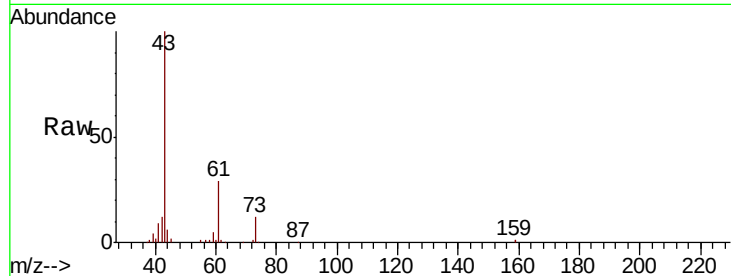
#43
Isopropyl Acetate
Concen: 52.821 ug/l
RT: 6.95 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.8	35.8
87	0.4	0.0	0.0#

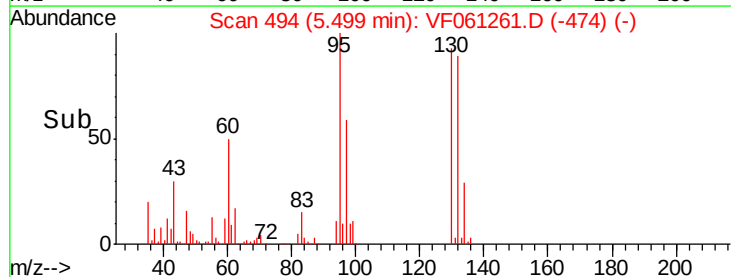
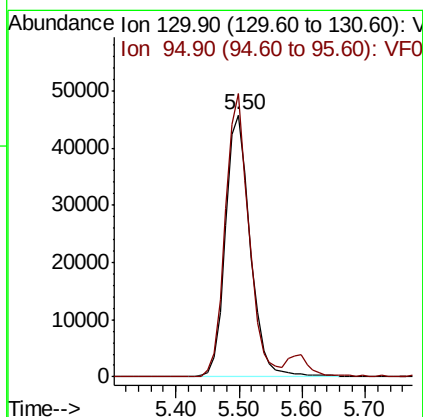
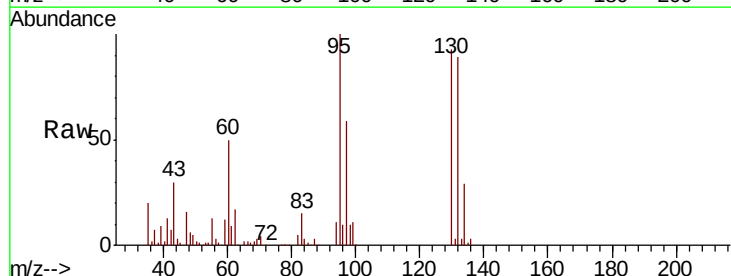
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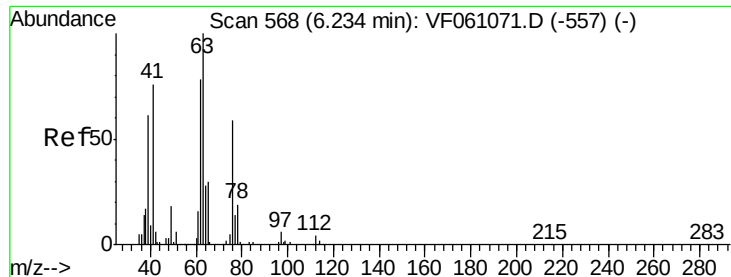
MMDadoda
1/3/2019 3:08:28 PM



#44
Trichloroethene
Concen: 54.013 ug/l
RT: 5.50 min Scan# 494
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.0	0.0	205.2





#45

1,2-Dichloropropane

Concen: 56.463 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 112343

Ion Ratio Lower Upper

63 100

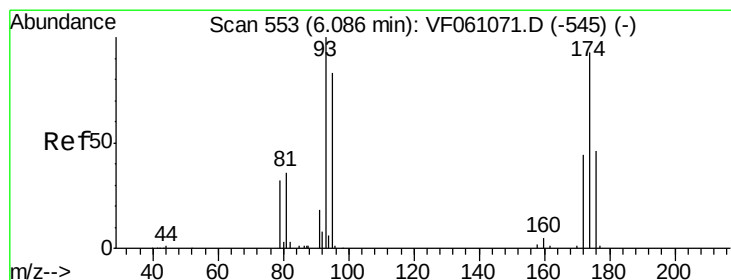
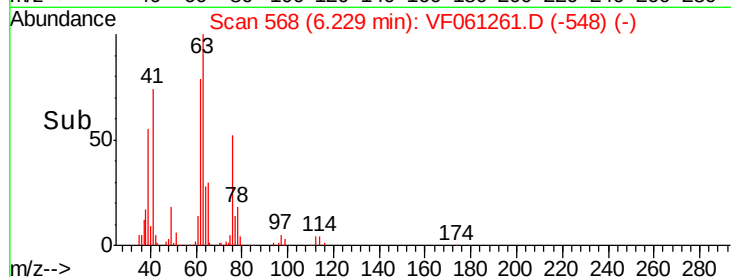
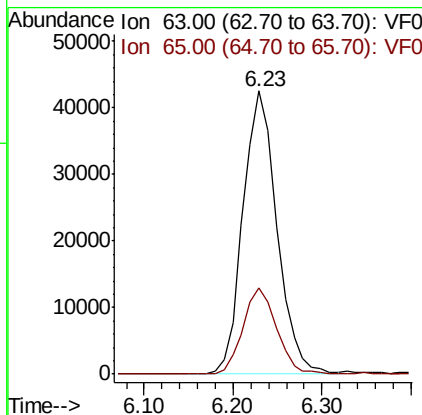
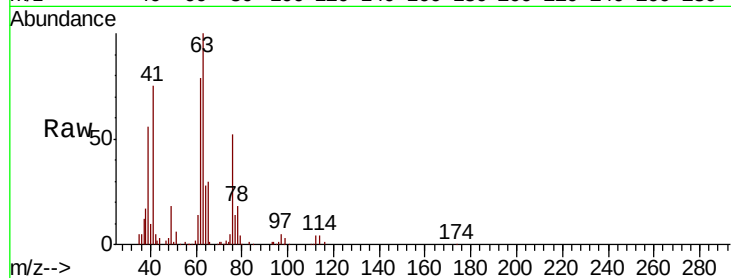
65 30.4 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 54.481 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

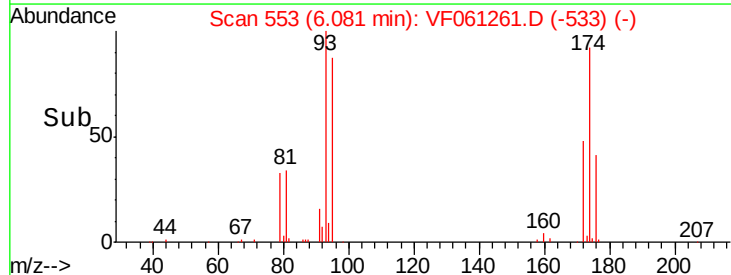
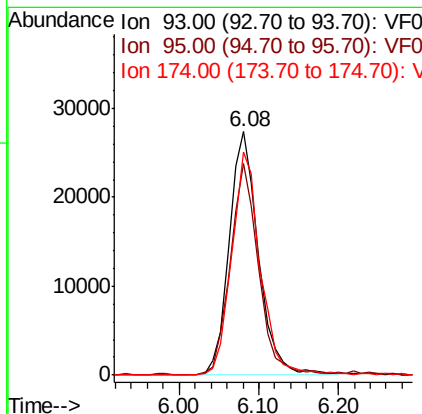
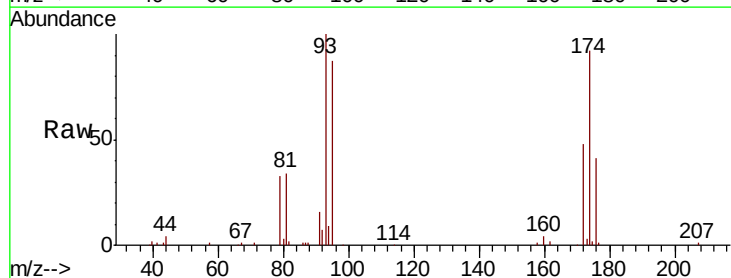
Tgt Ion: 93 Resp: 70307

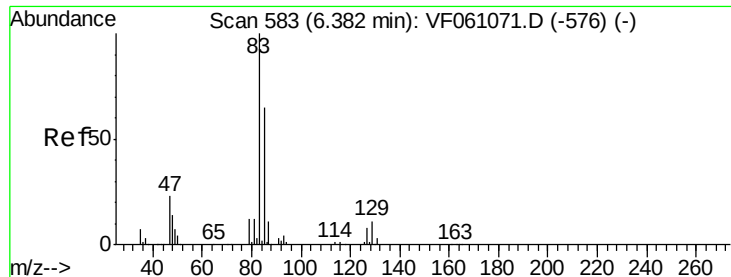
Ion Ratio Lower Upper

93 100

95 87.1 66.9 100.3

174 91.8 74.1 111.1





#47

Bromodichloromethane

Concen: 54.528 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

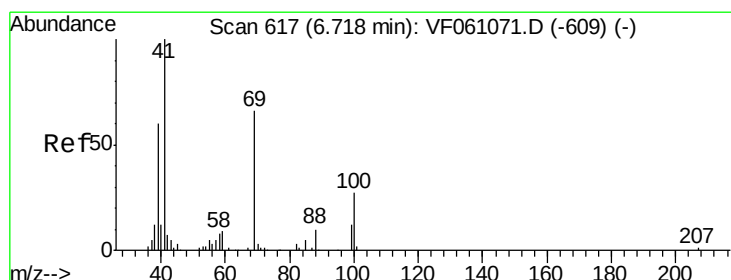
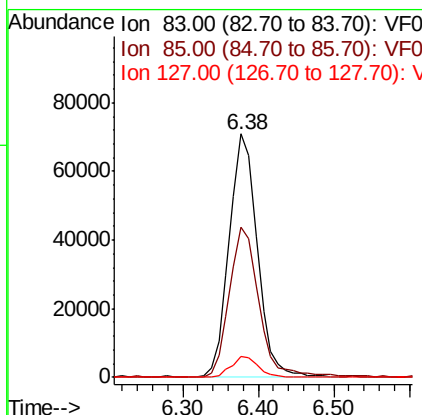
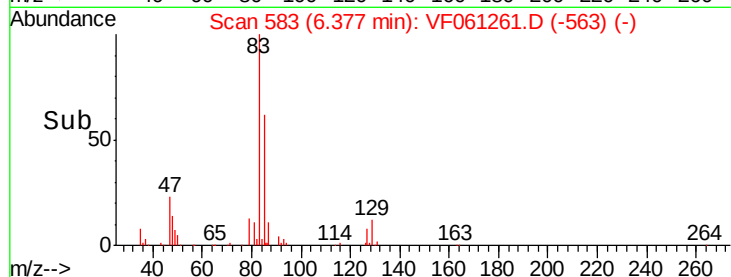
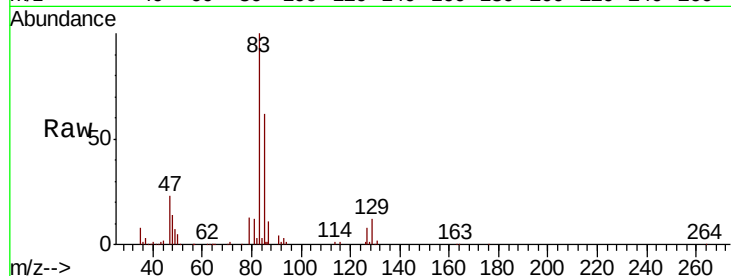
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182833
Ion Ratio	Lower	Upper	
83	100		
85	61.7	52.2	78.4
127	8.4	6.1	9.1

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#48

Methyl methacrylate

Concen: 55.710 ug/l

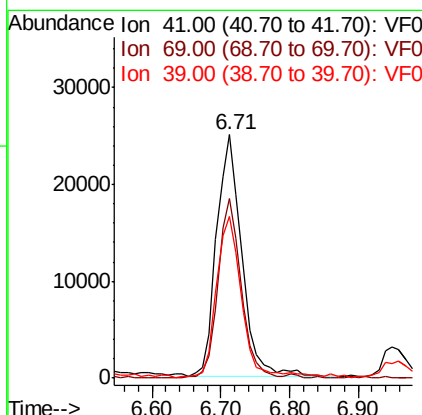
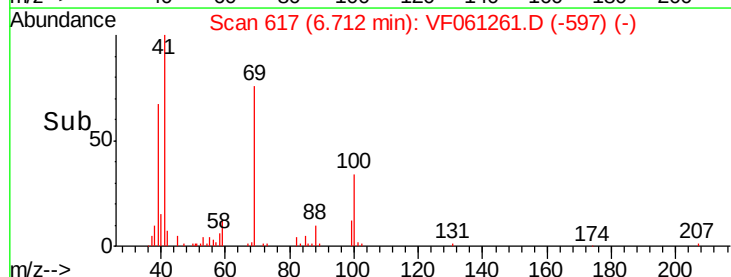
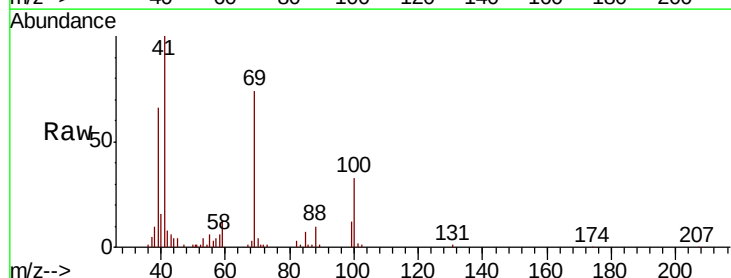
RT: 6.71 min Scan# 617

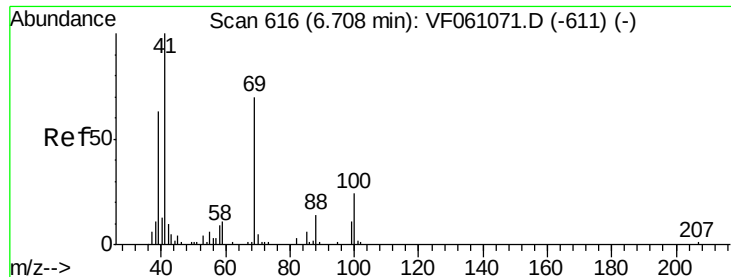
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	41	Resp:	63861
Ion Ratio	Lower	Upper	
41	100		
69	73.6	52.7	79.1
39	66.4	47.8	71.6





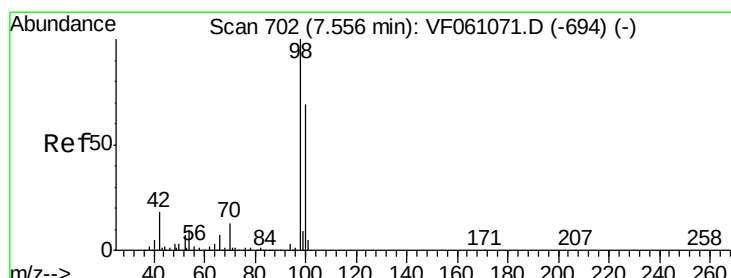
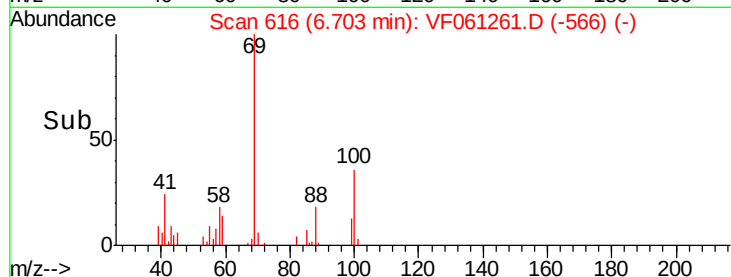
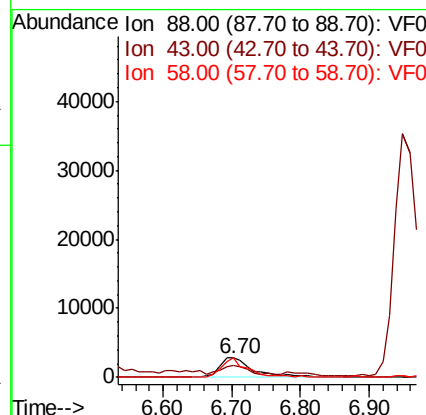
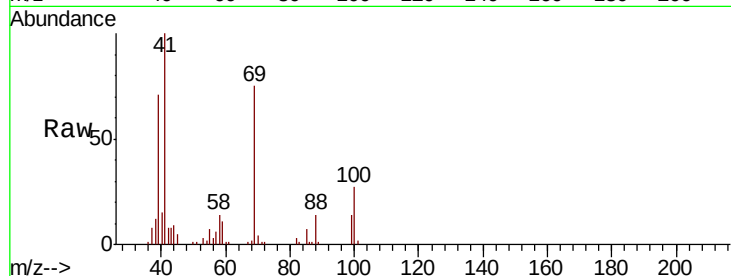
#49
1,4-Dioxane
Concen: 1127.852 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.3	33.3	49.9#
58	101.1	53.2	79.8#

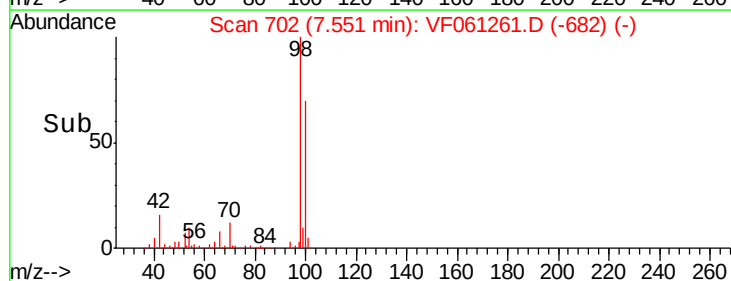
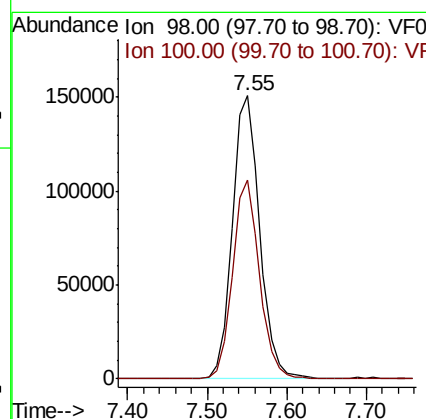
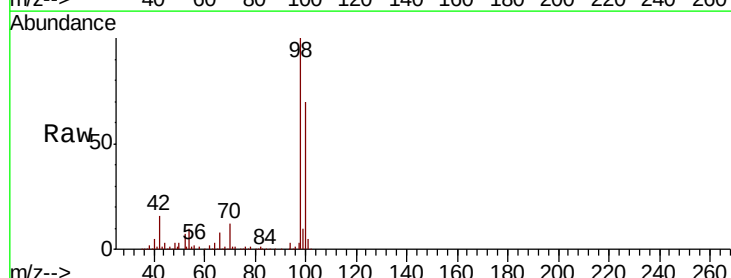
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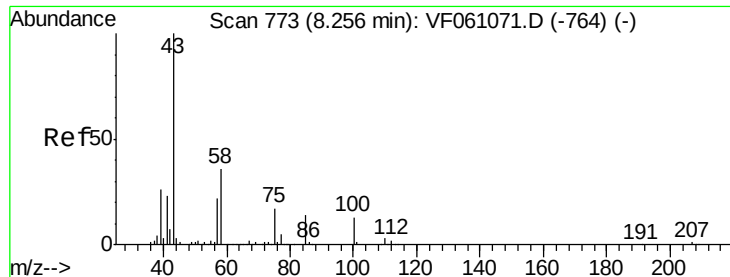
MMDadoda
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#50
Toluene-d8
Concen: 56.782 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 278.009 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 313076

Ion Ratio Lower Upper

43 100

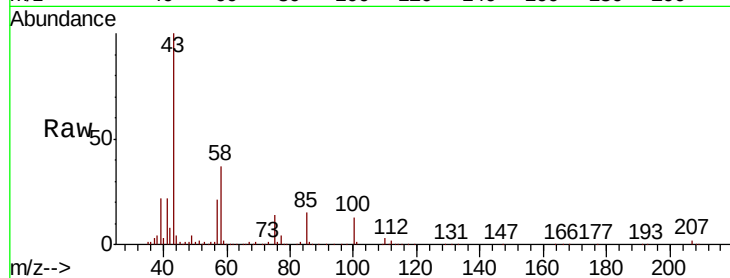
58 37.3 29.1 43.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

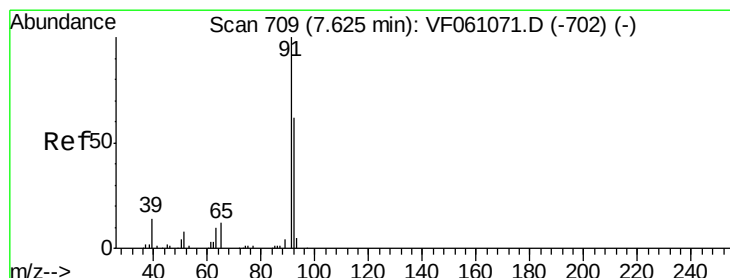
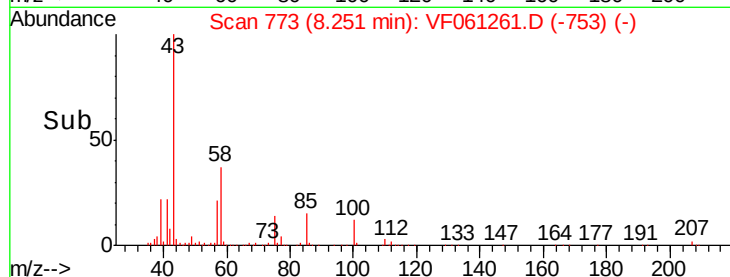
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 54.859 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061261.D

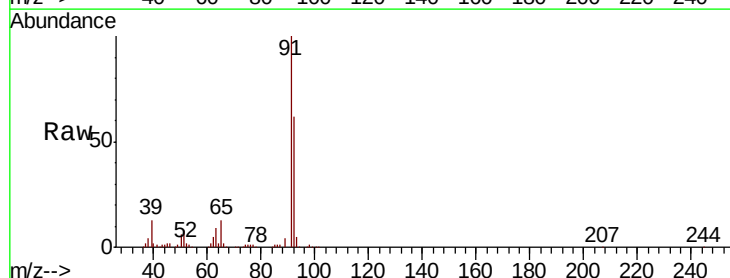
Acq: 2 Jan 2019 18:30

Tgt Ion: 92 Resp: 265570

Ion Ratio Lower Upper

92 100

91 161.8 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

200000

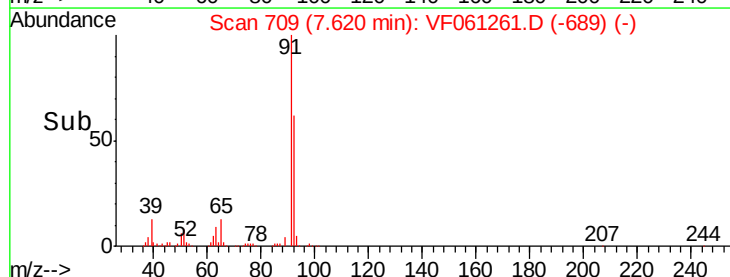
150000

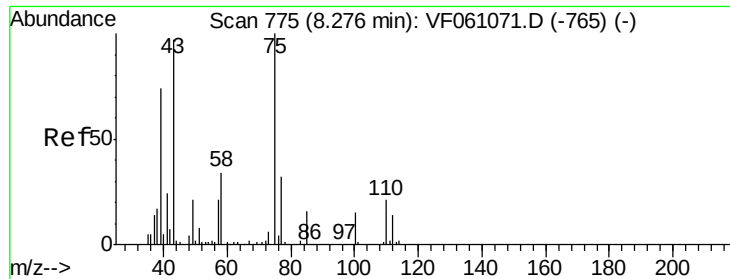
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





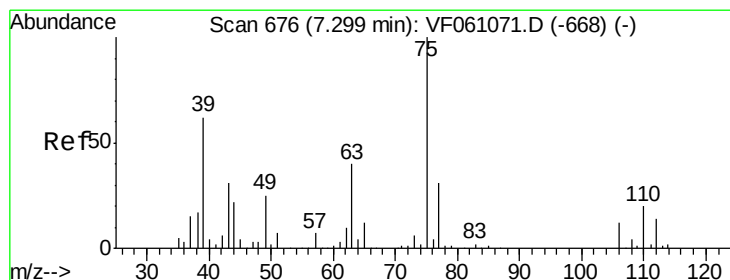
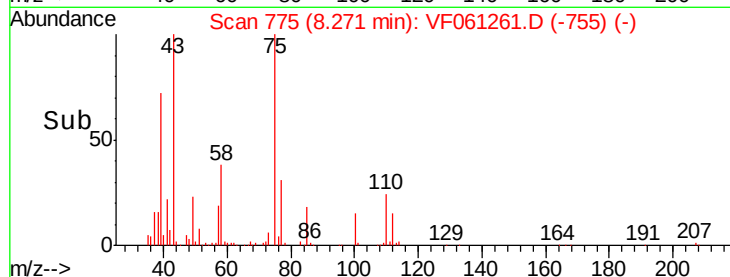
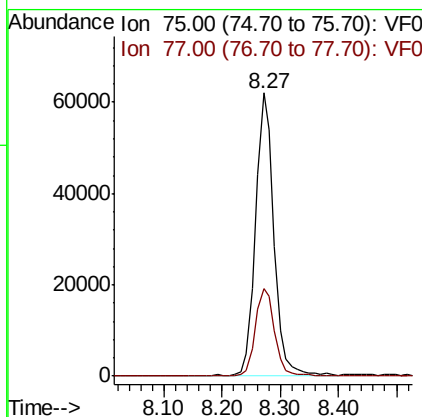
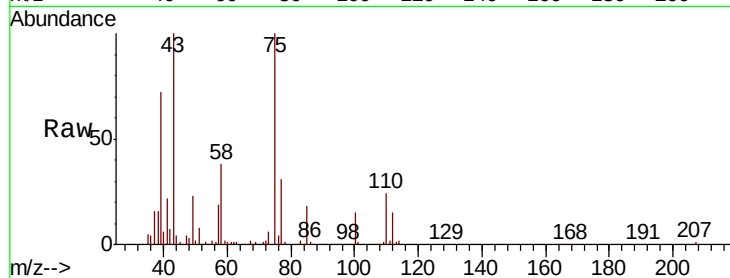
#53
 t-1,3-Dichloropropene
 Concen: 51.637 ug/l
 RT: 8.27 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.8

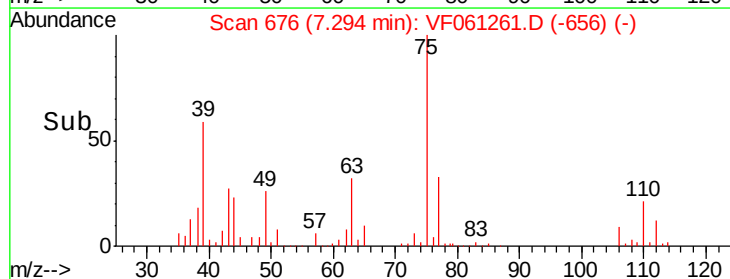
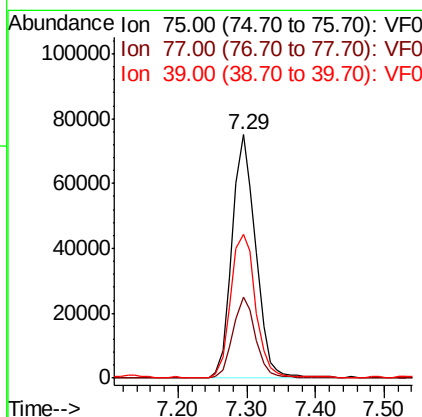
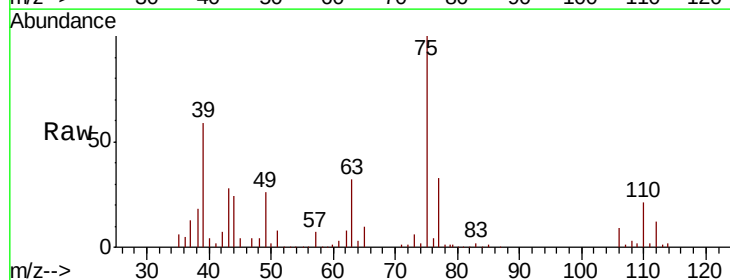
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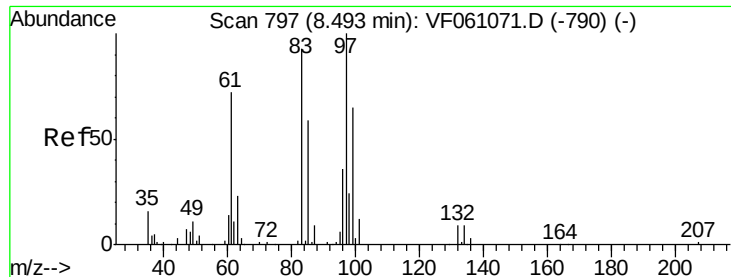
MMDadoda
 1/3/2019 3:08:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.799 ug/l
 RT: 7.29 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.0	37.4
39	59.3	50.1	75.1





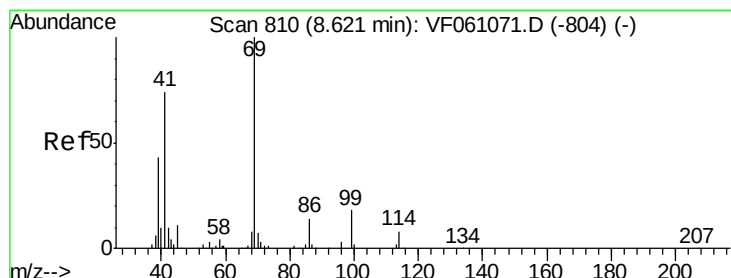
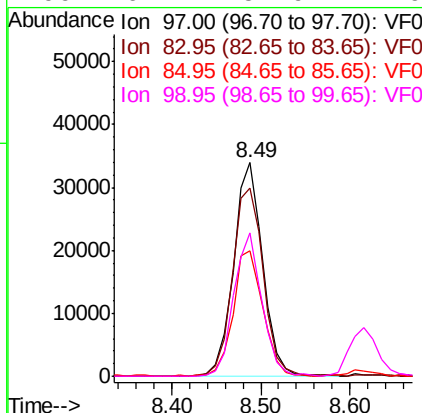
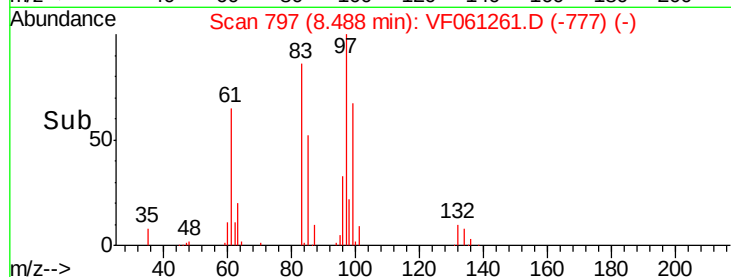
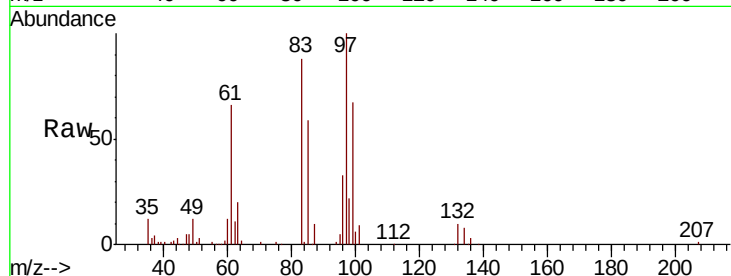
#55
1,1,2-Trichloroethane
Concen: 53.126 ug/l
RT: 8.49 min Scan# 797
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	77099
Ion	Ratio	Lower	Upper
97	100		
83	88.0	75.0	112.4
85	58.6	47.5	71.3
99	67.2	51.9	77.9

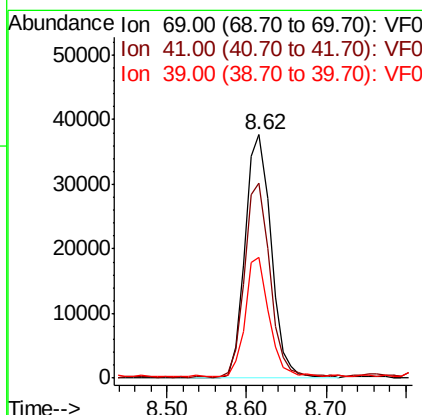
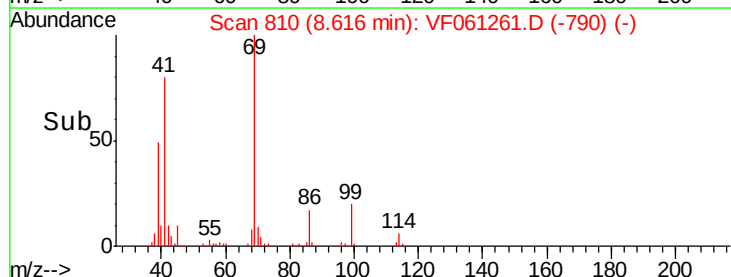
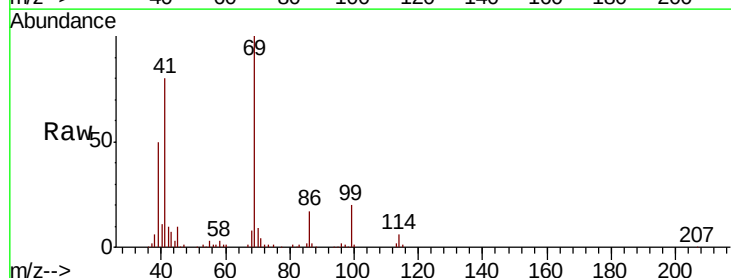
Manual Integrations
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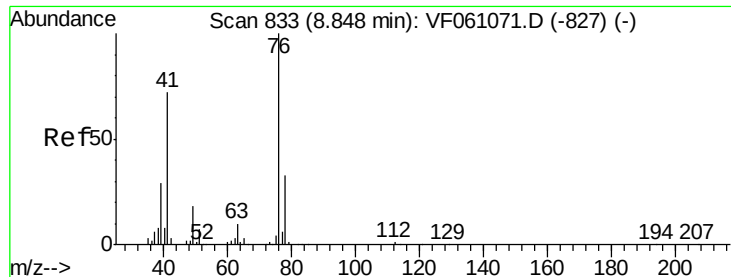
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#56
Ethyl methacrylate
Concen: 54.138 ug/l
RT: 8.62 min Scan# 810
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion:	69	Resp:	85016
Ion	Ratio	Lower	Upper
69	100		
41	80.1	59.7	89.5
39	49.7	35.0	52.6





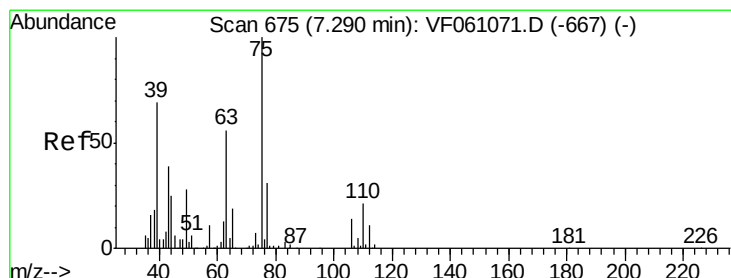
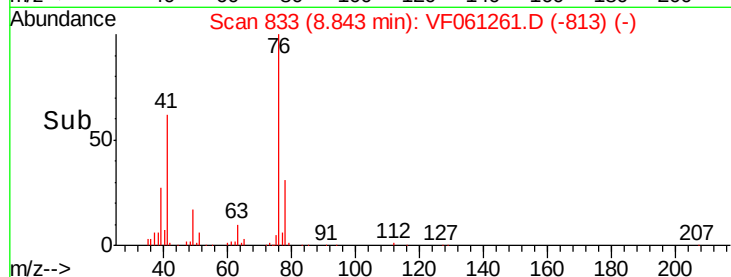
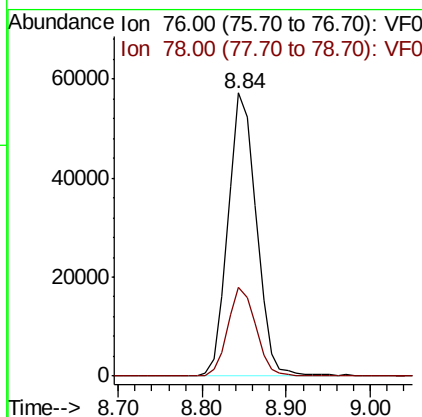
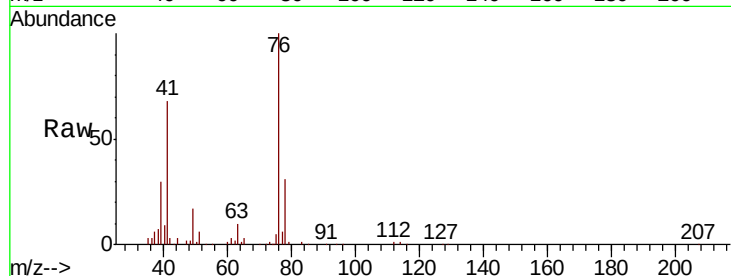
#57
 1,3-Dichloropropane
 Concen: 51.046 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 133984
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.5 39.7

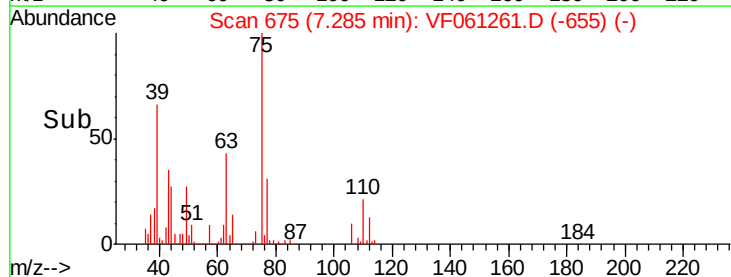
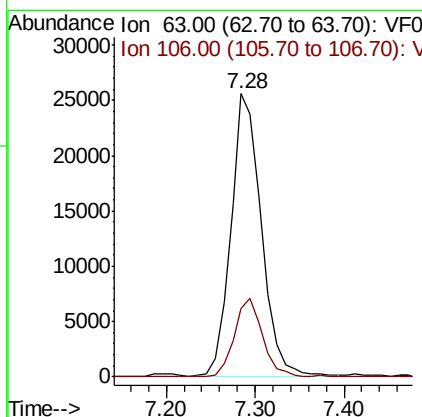
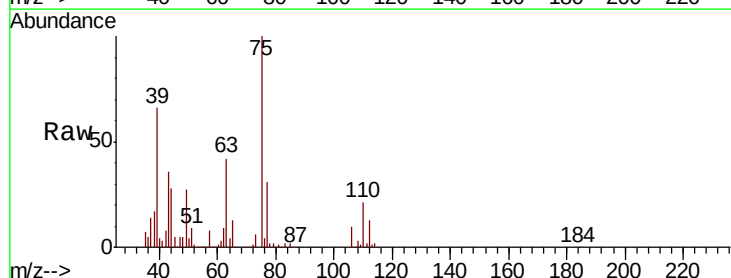
Manual Integrations
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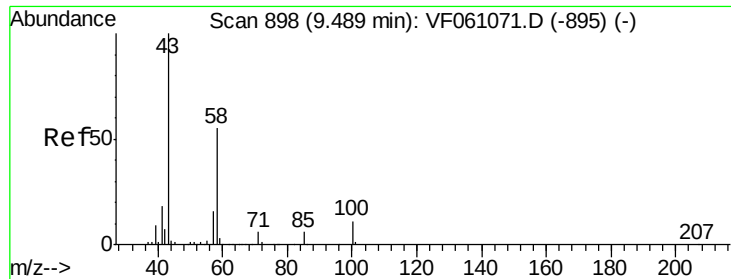
MMDadoda
 1/3/2019 3:08:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 200.083 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion: 63 Resp: 60345
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.8 29.8





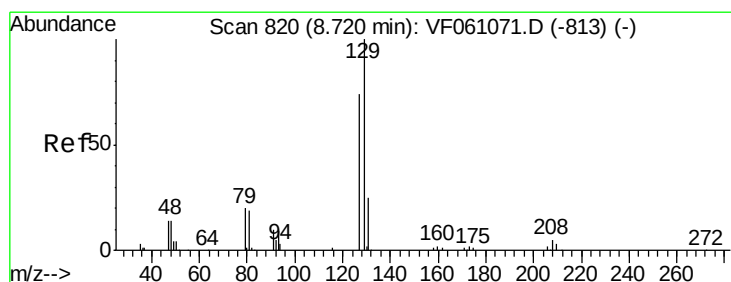
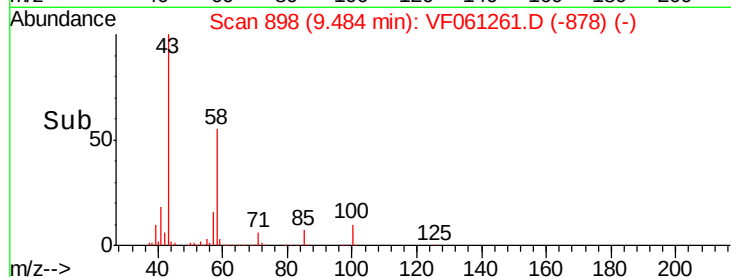
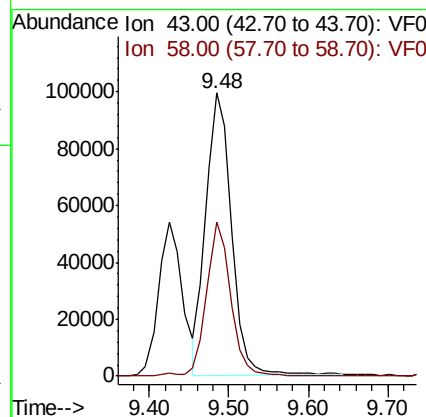
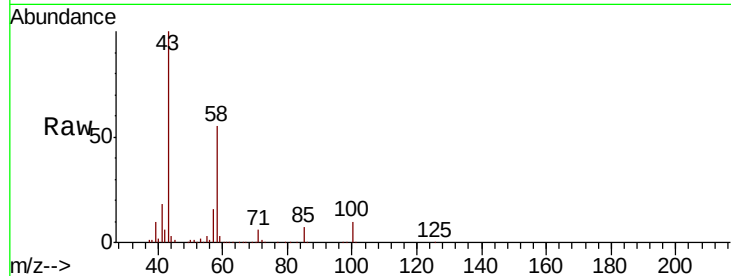
#59
2-Hexanone
Concen: 271.400 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 221027
Ion Ratio Lower Upper
43 100
58 54.5 25.1 75.2

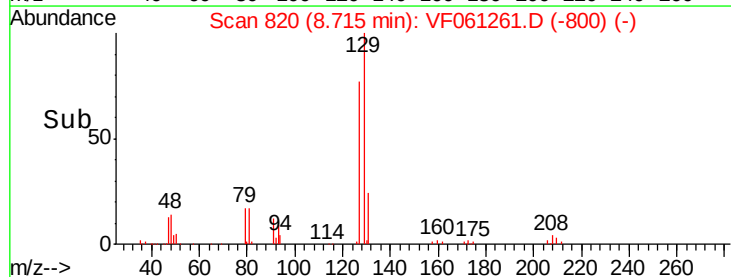
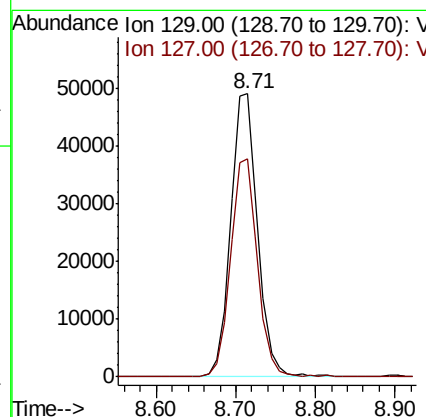
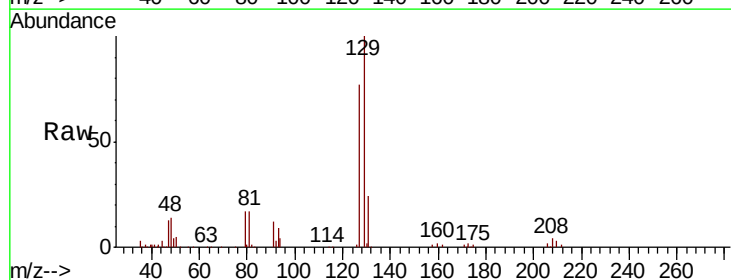
Manual Integrations
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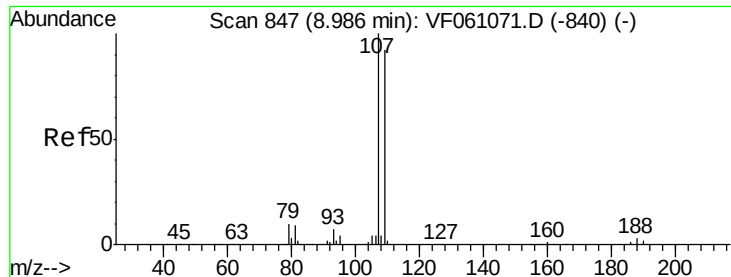
MMDadoda
1/3/2019 3:08:28 PM



#60
Dibromochloromethane
Concen: 55.956 ug/l
RT: 8.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion: 129 Resp: 116406
Ion Ratio Lower Upper
129 100
127 76.9 36.8 110.3





#61

1,2-Dibromoethane

Concen: 55.627 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 86218

Ion Ratio Lower Upper

107 100

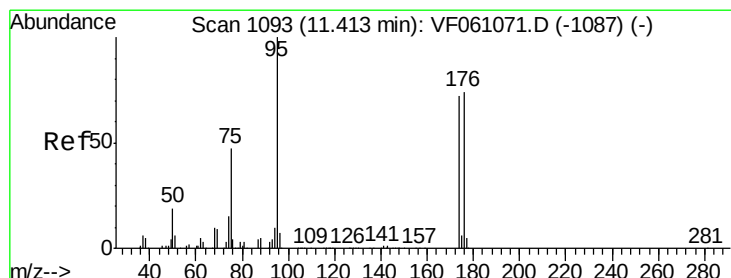
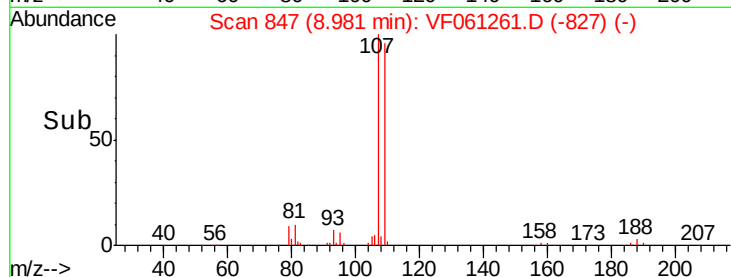
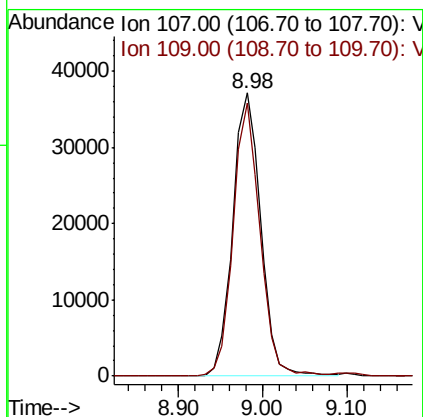
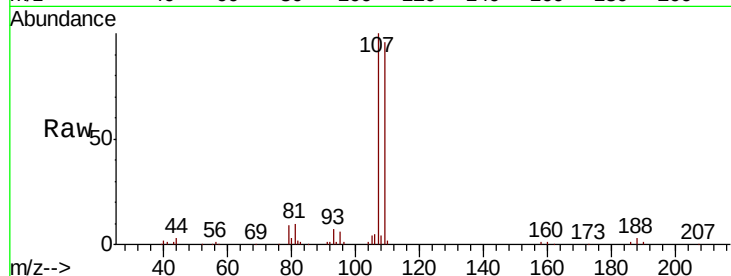
109 96.4 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 52.458 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

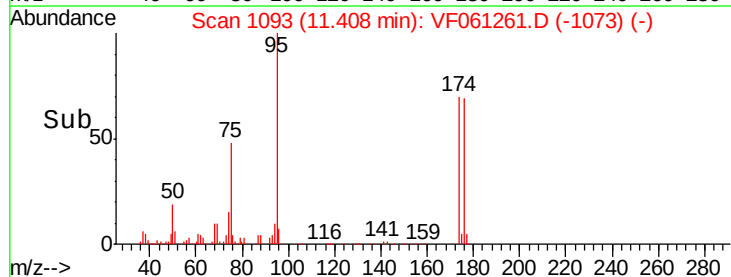
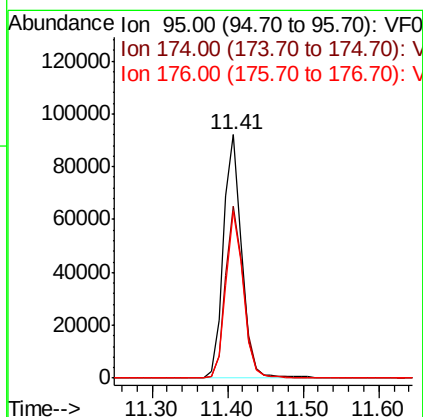
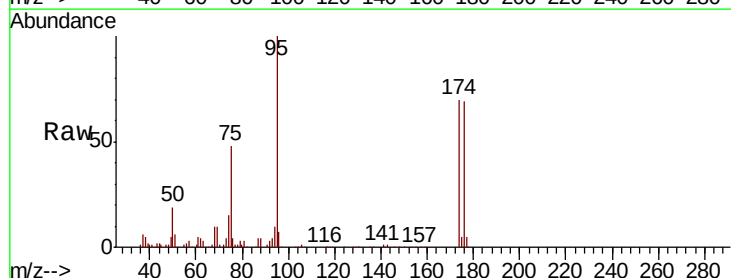
Tgt Ion: 95 Resp: 154671

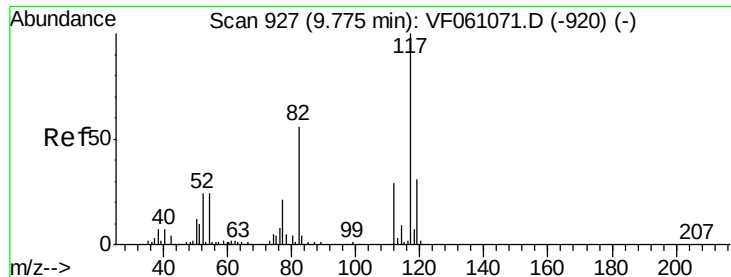
Ion Ratio Lower Upper

95 100

174 70.4 0.0 143.8

176 68.8 0.0 147.6





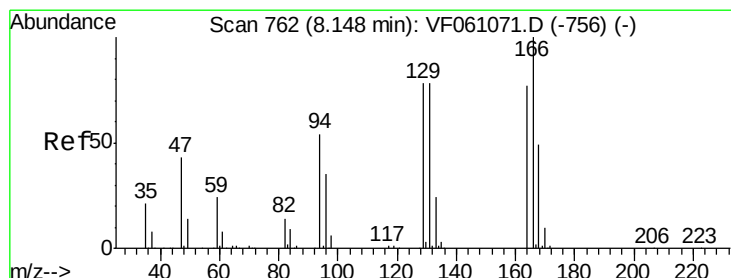
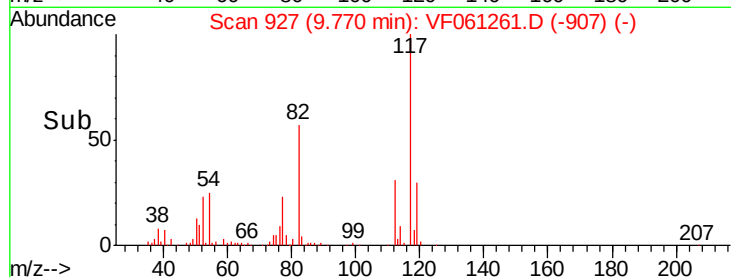
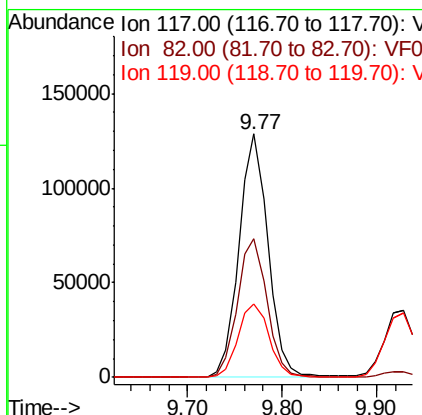
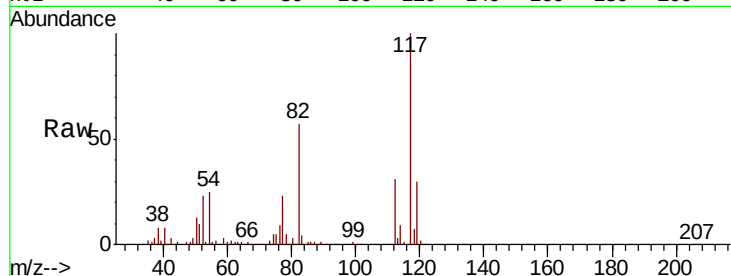
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274796		
82	57.2	45.0	67.4	
119	30.4	24.8	37.2	

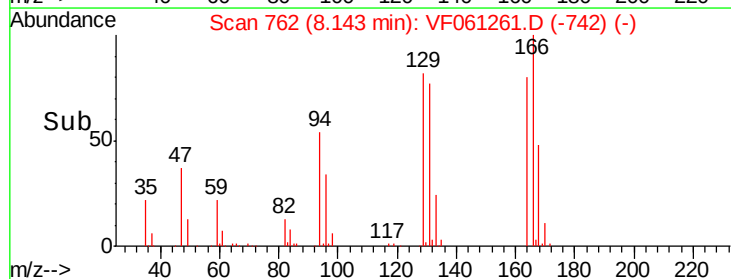
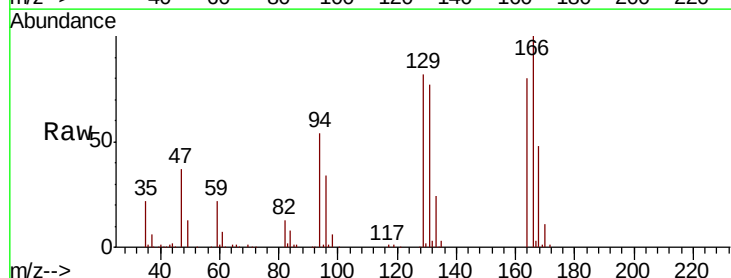
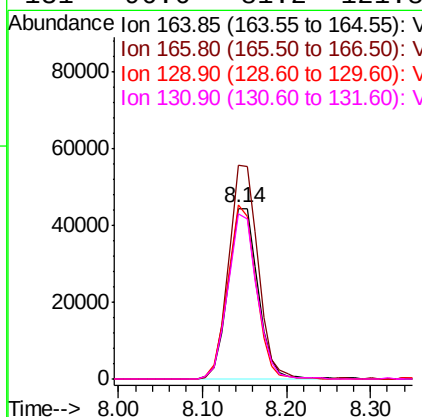
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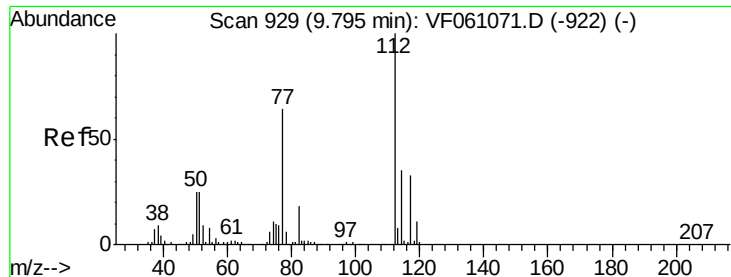
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#64
Tetrachloroethene
Concen: 51.655 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109192		
166	125.2	104.0	156.0	
129	102.2	81.1	121.7	
131	96.6	81.2	121.8	





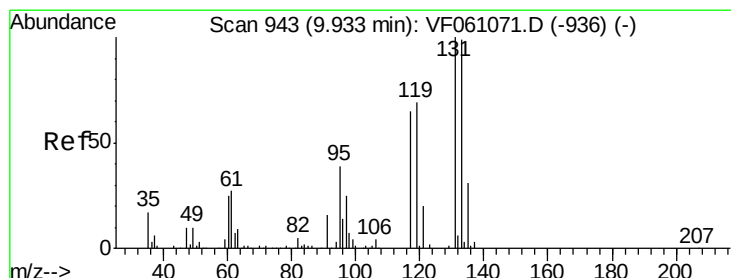
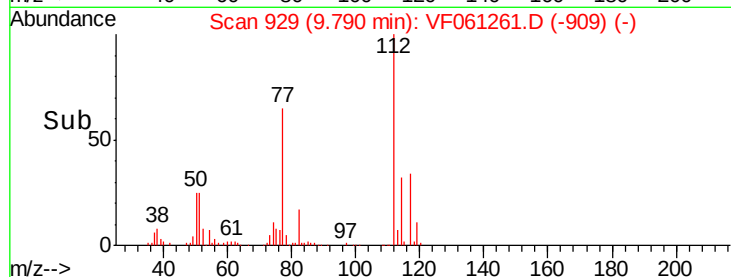
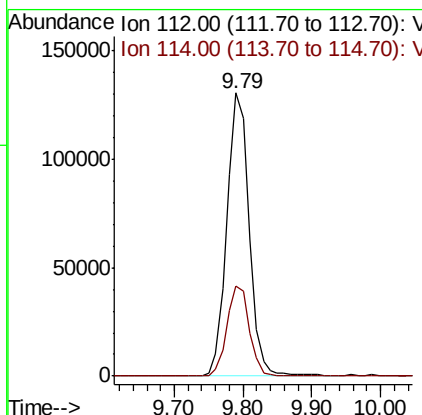
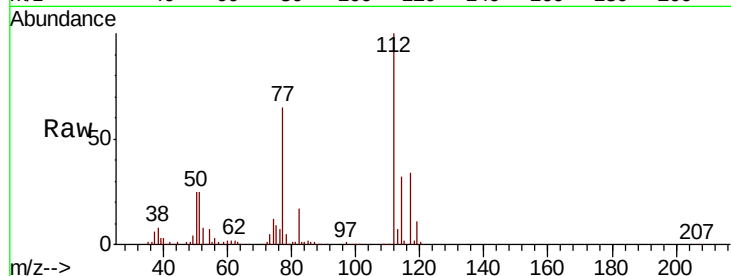
#65
Chlorobenzene
Concen: 51.653 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	27.8	41.6

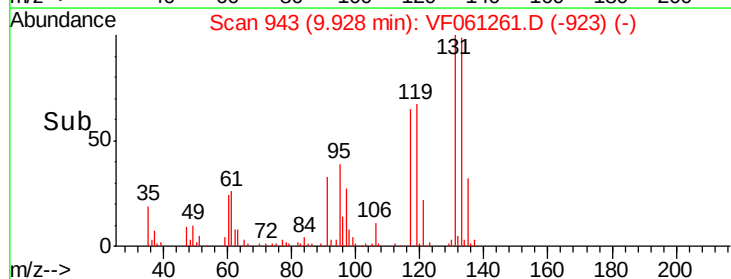
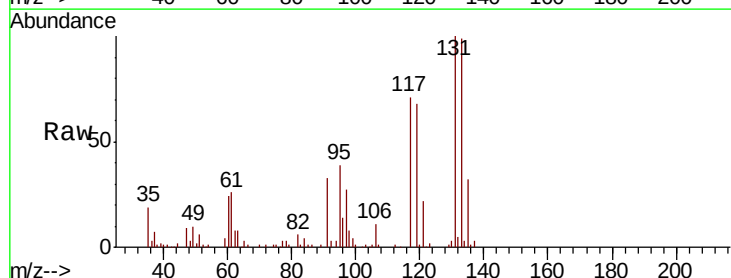
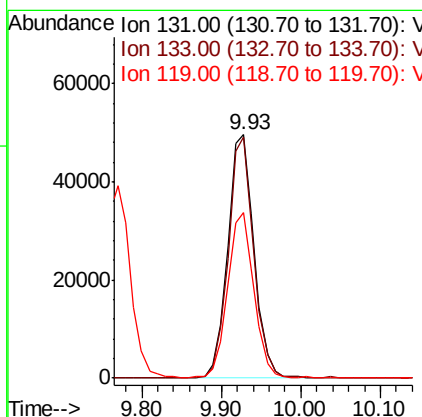
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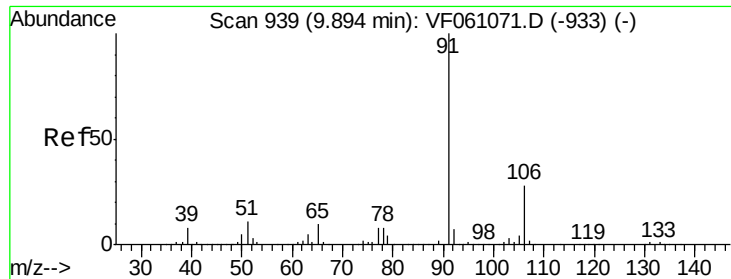
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.552 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.3	49.5	148.7
119	68.0	34.5	103.5





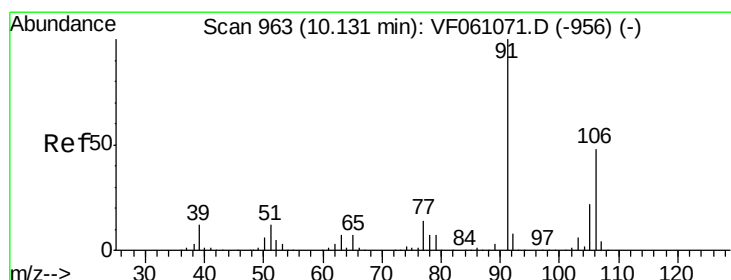
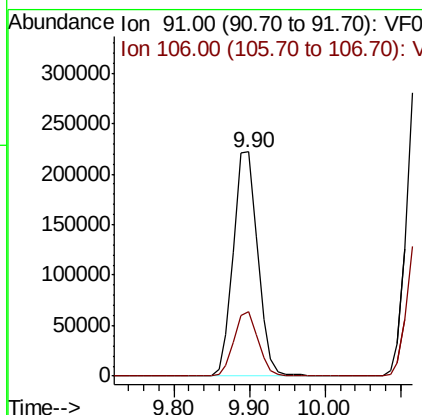
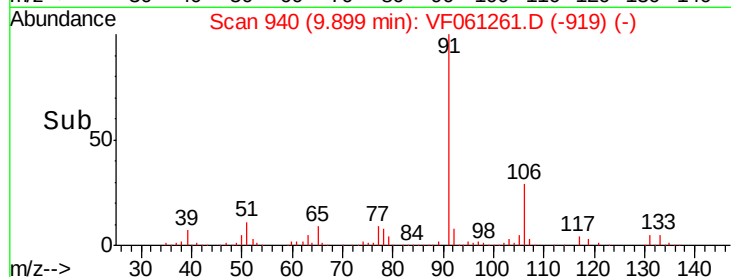
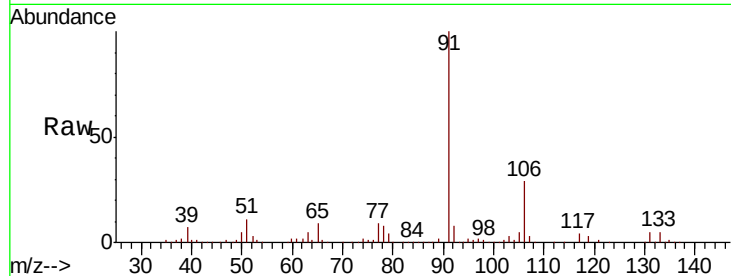
#67
Ethyl Benzene
Concen: 47.921 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 495611
Ion Ratio Lower Upper
91 100
106 28.8 22.5 33.7

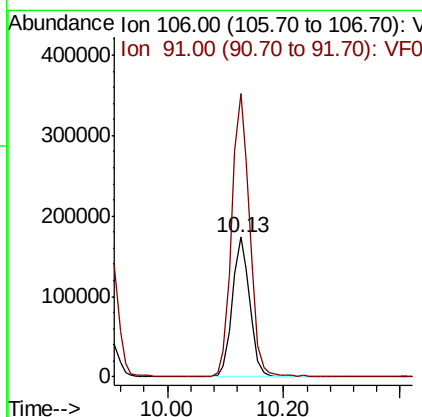
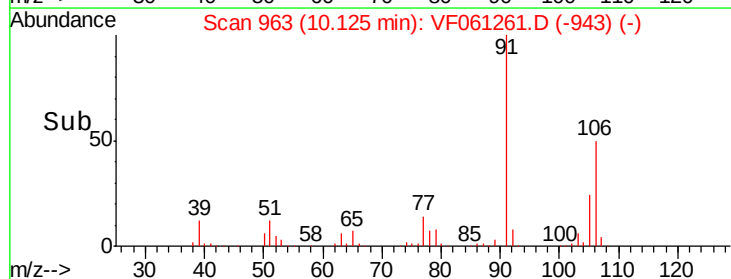
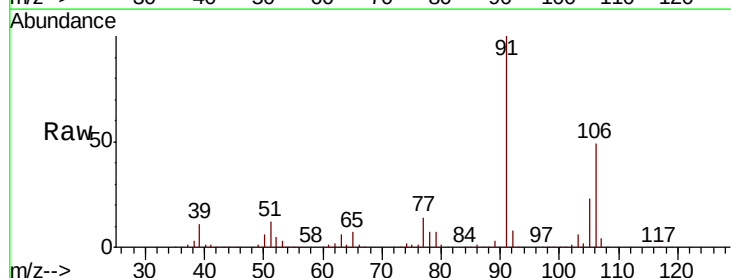
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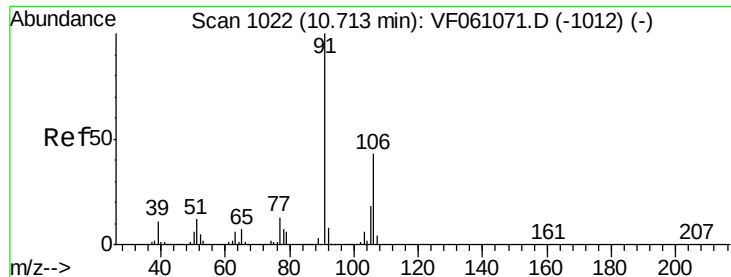
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#68
m/p-Xylenes
Concen: 98.192 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion: 106 Resp: 357389
Ion Ratio Lower Upper
106 100
91 203.0 168.2 252.2





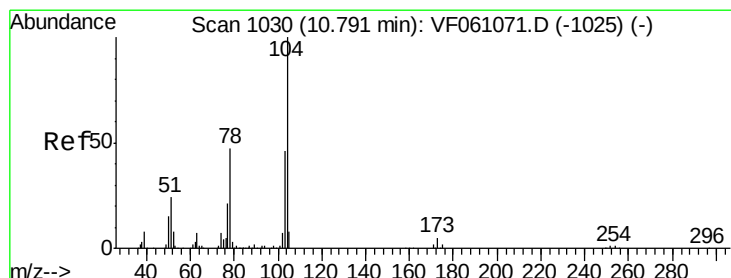
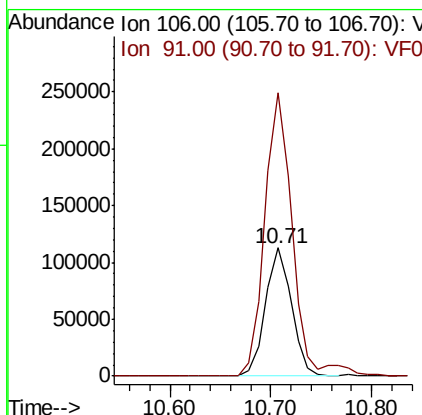
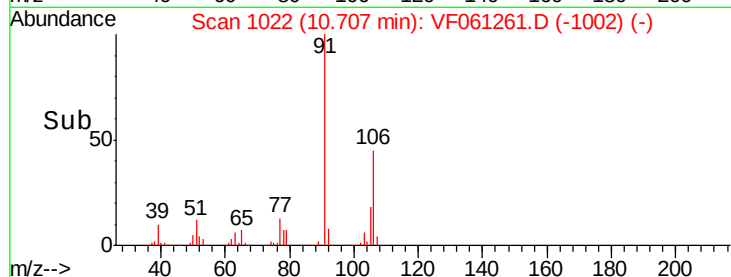
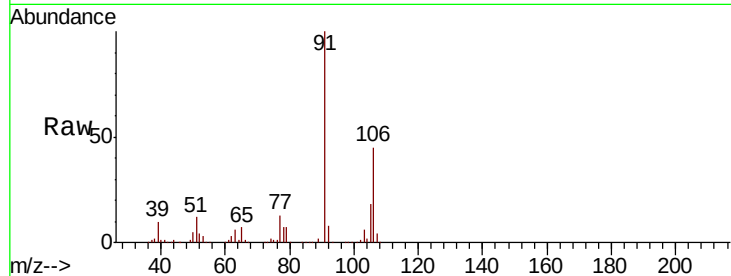
#69
o-Xylene
Concen: 50.646 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.01 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.1	115.9	347.7

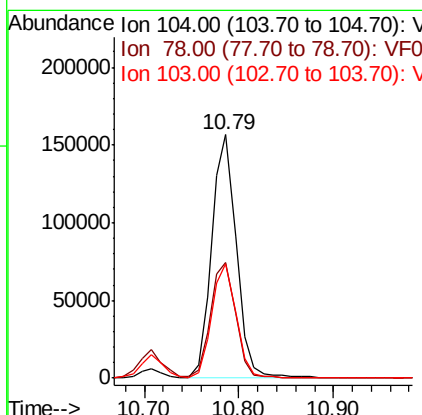
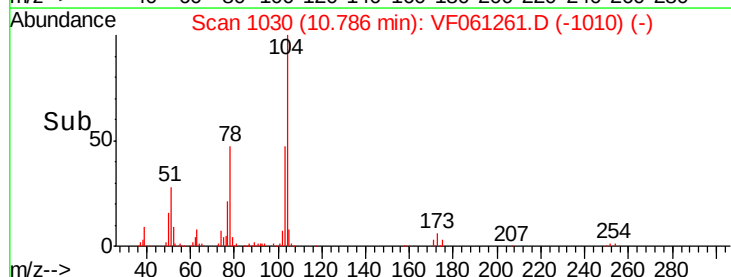
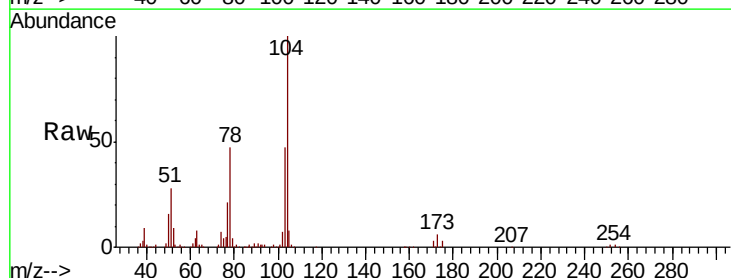
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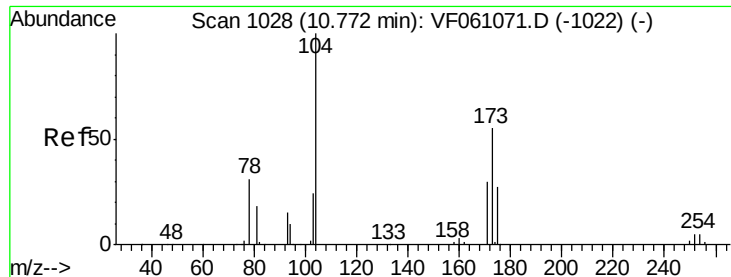
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#70
Styrene
Concen: 58.198 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.4	57.6
103	46.8	37.0	55.6





#71

Bromoform

Concen: 52.520 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

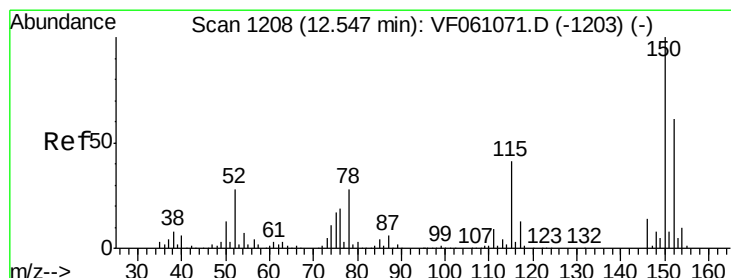
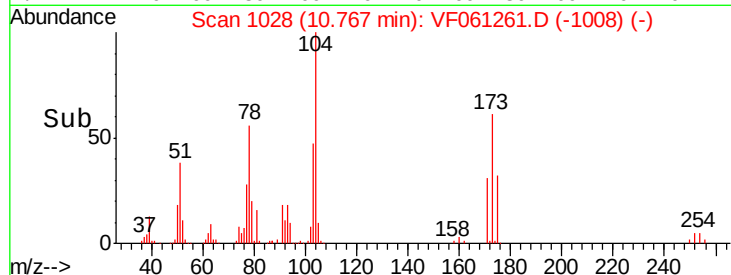
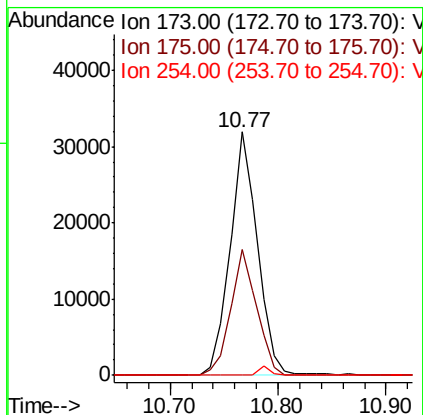
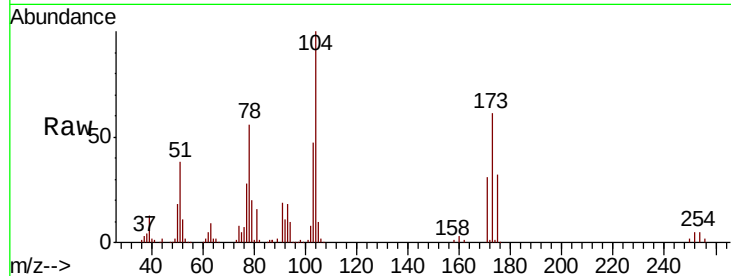
ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 56370
 Ion Ratio Lower Upper
 173 100
 175 51.6 24.8 74.4
 254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

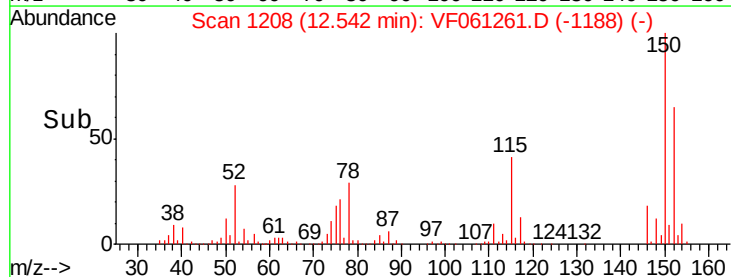
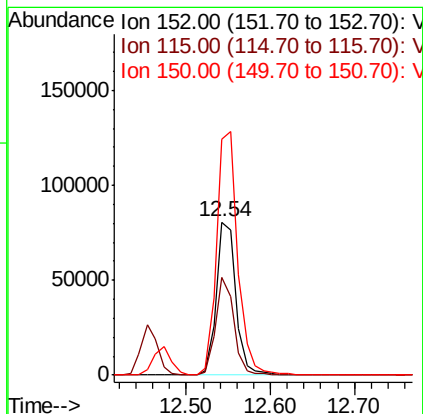
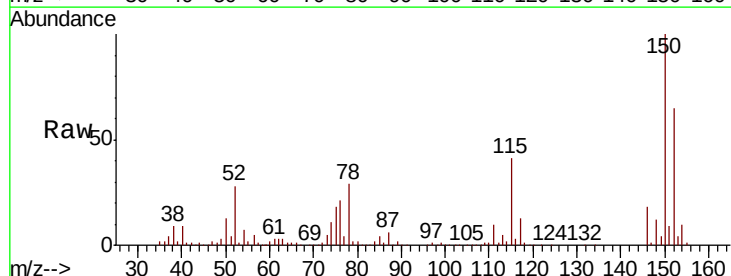
RT: 12.54 min Scan# 1208

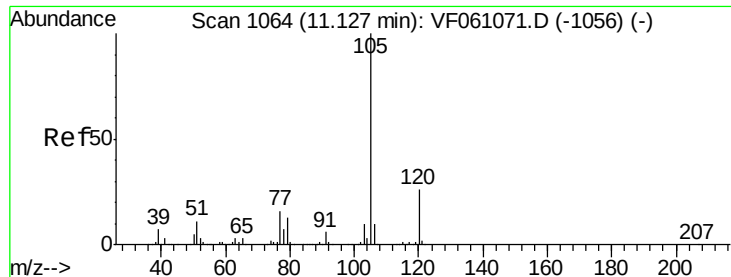
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:152 Resp: 130109
 Ion Ratio Lower Upper
 152 100
 115 63.6 33.3 99.9
 150 154.4 0.0 328.2





#73

Isopropylbenzene

Concen: 52.223 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 585536

Ion Ratio Lower Upper

105 100

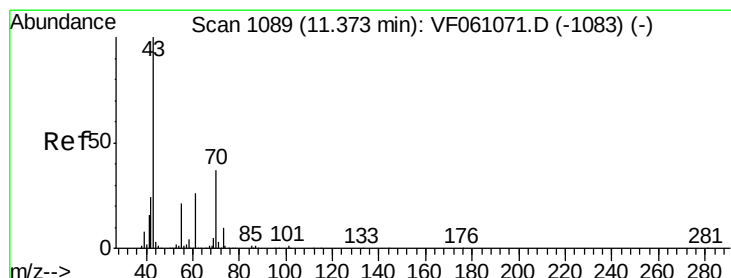
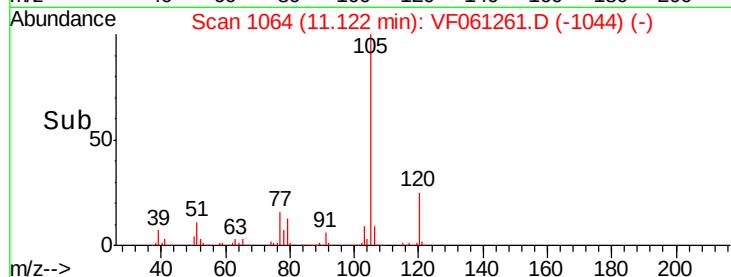
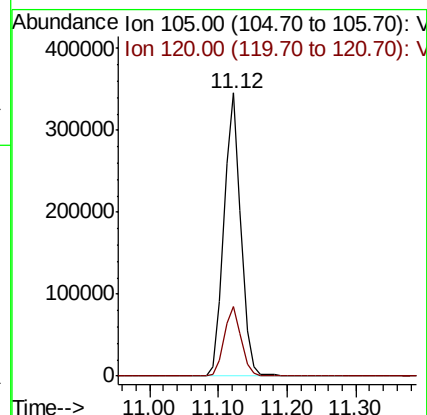
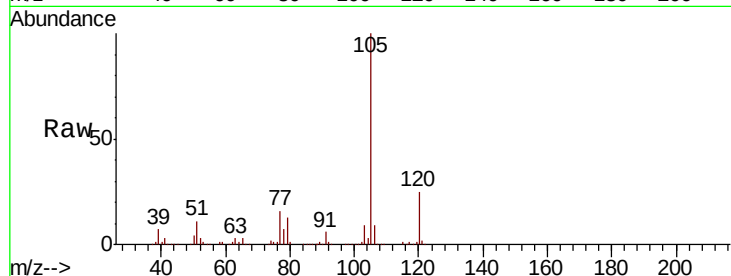
120 24.8 13.0 39.0

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#74

N-ethyl acetate

Concen: 57.136 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion: 43 Resp: 142229

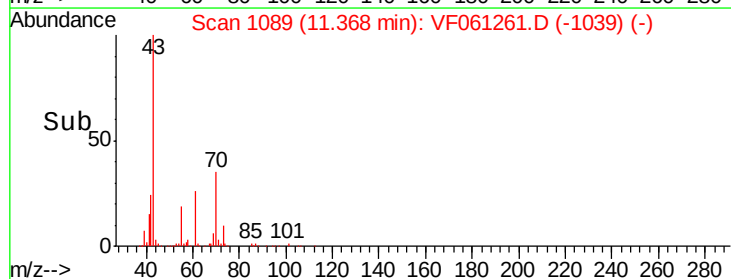
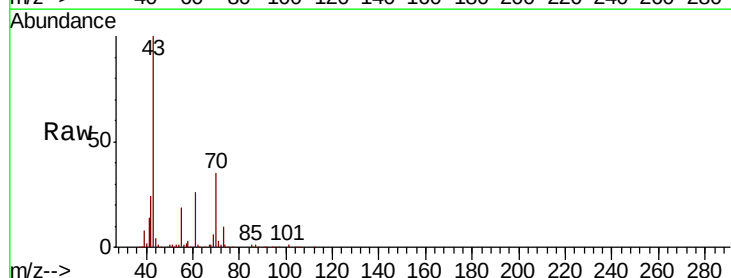
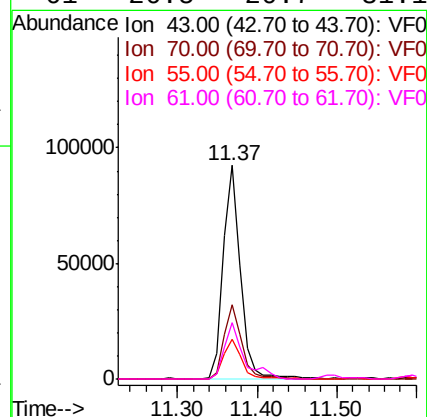
Ion Ratio Lower Upper

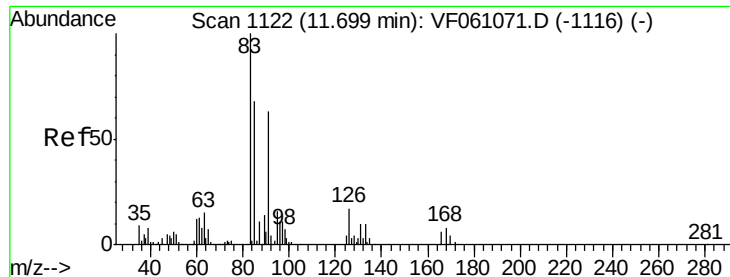
43 100

70 34.8 29.2 43.8

55 18.7 16.5 24.7

61 26.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.969 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

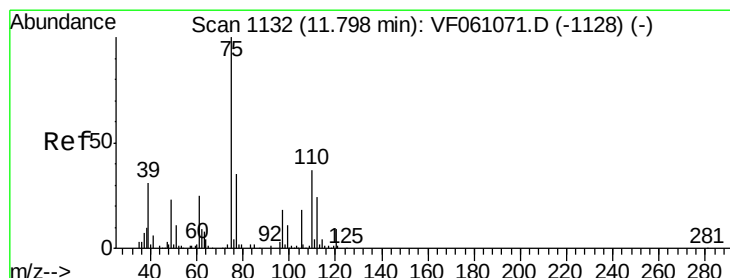
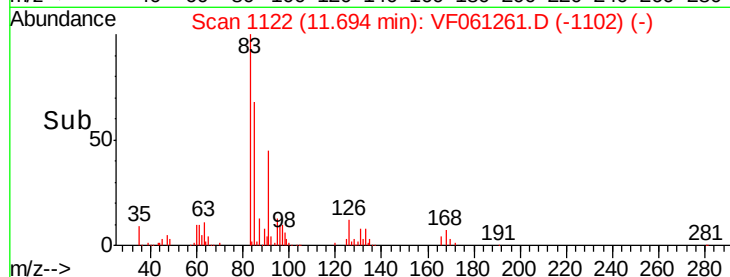
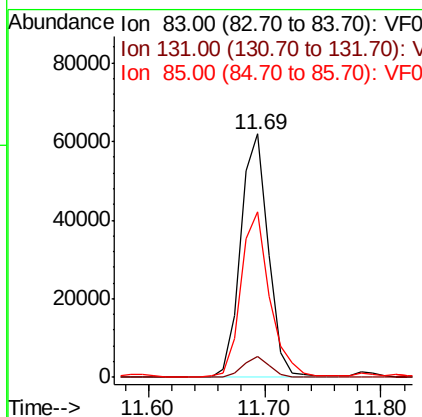
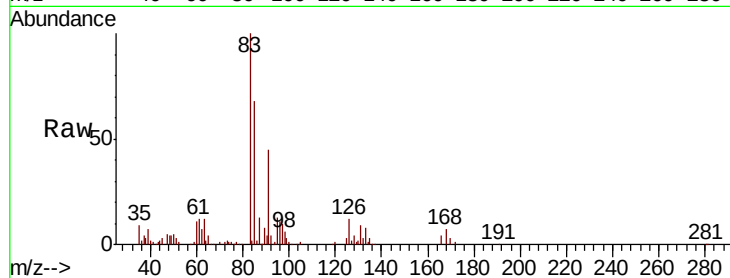
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	102290
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	68.0	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 53.564 ug/l

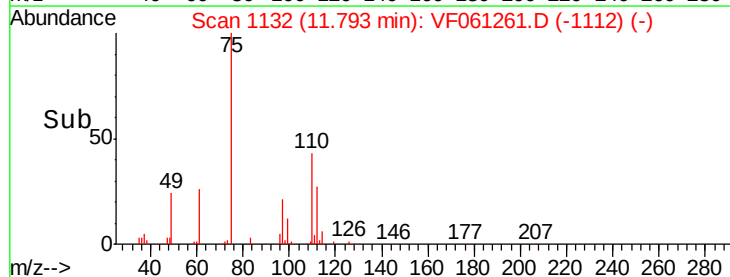
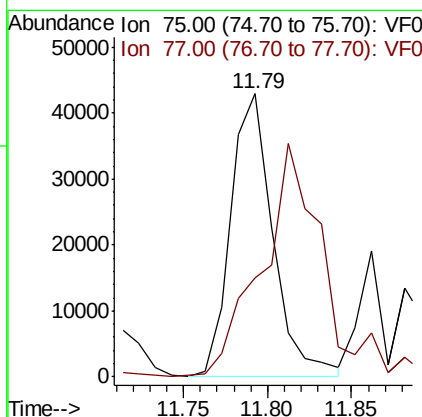
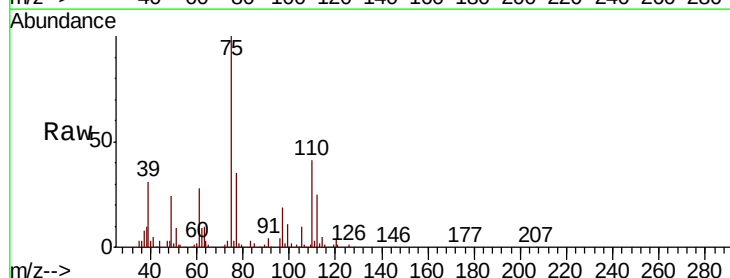
RT: 11.79 min Scan# 1132

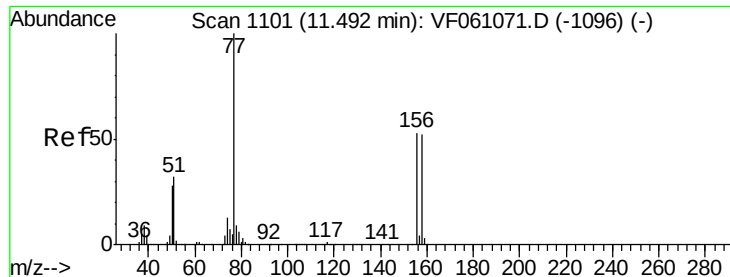
Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	75	Resp:	74177
Ion Ratio	Lower	Upper	
75	100		
77	35.1	17.6	52.9





#77

Bromobenzene

Concen: 52.182 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 125946

Ion Ratio Lower Upper

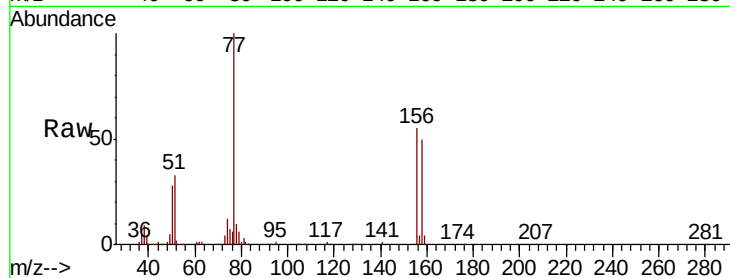
156 100

77 183.4 93.8 281.4

158 91.5 48.9 146.8

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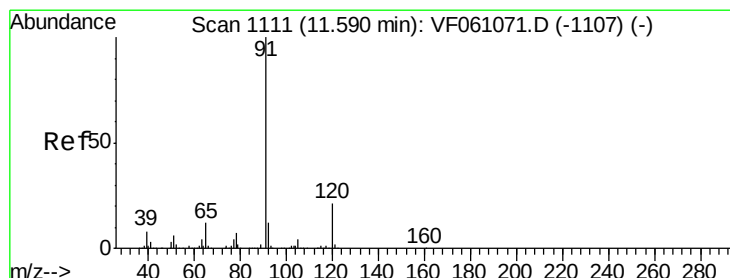
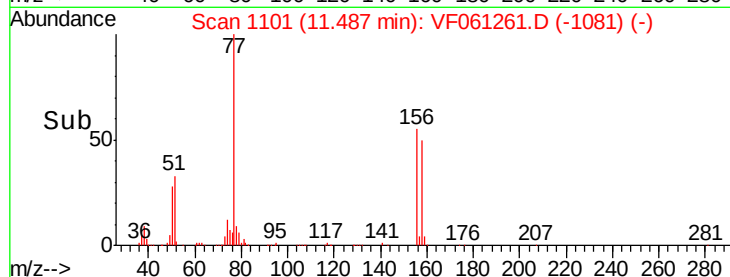
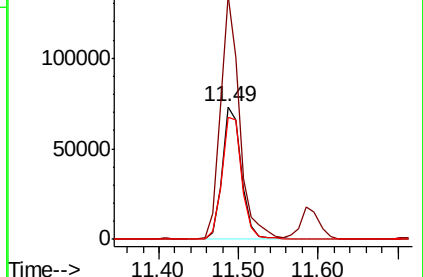
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 52.042 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061261.D

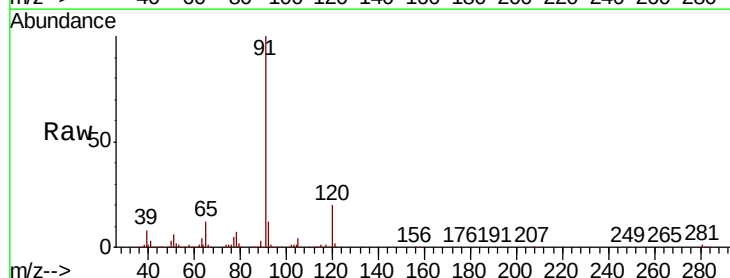
Acq: 2 Jan 2019 18:30

Tgt Ion: 91 Resp: 666106

Ion Ratio Lower Upper

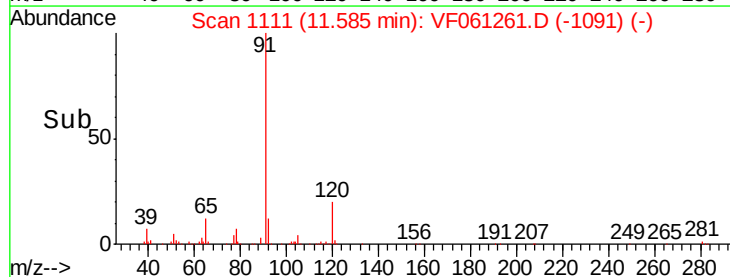
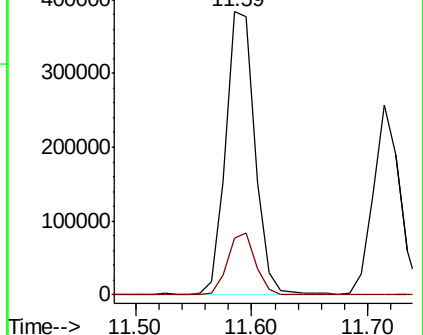
91 100

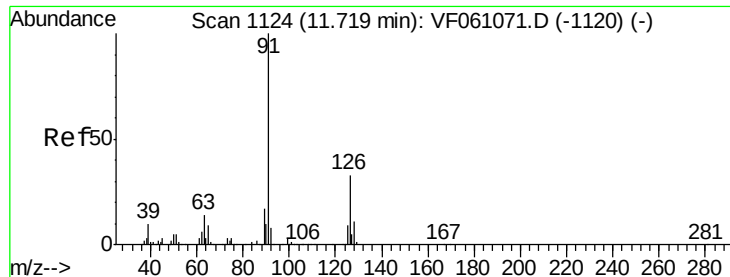
120 19.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





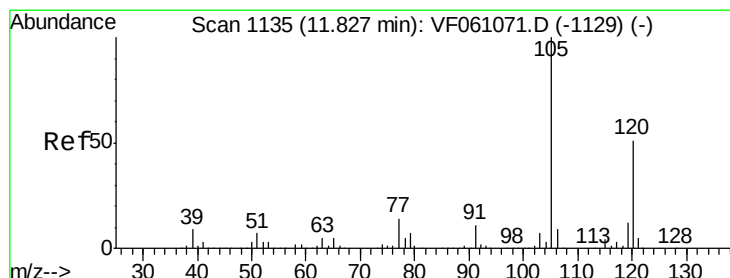
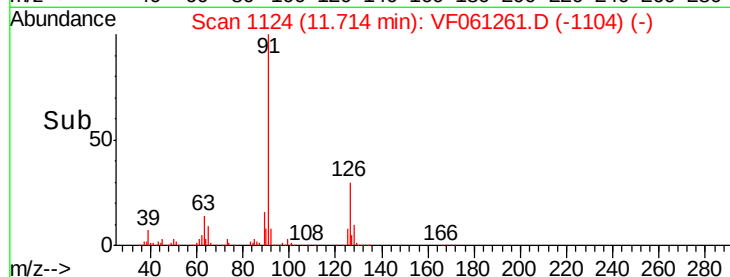
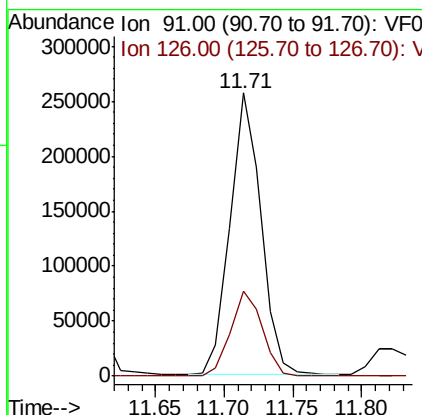
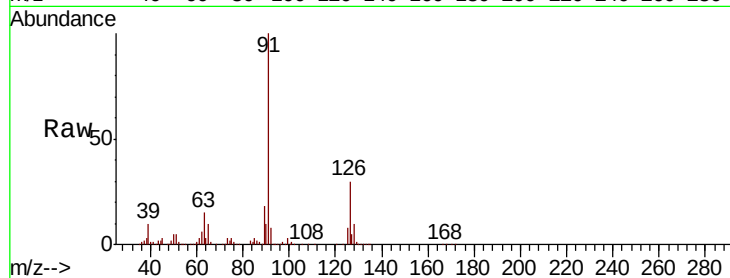
#79
 2-Chlorotoluene
 Concen: 52.135 ug/l
 RT: 11.71 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.4	49.1

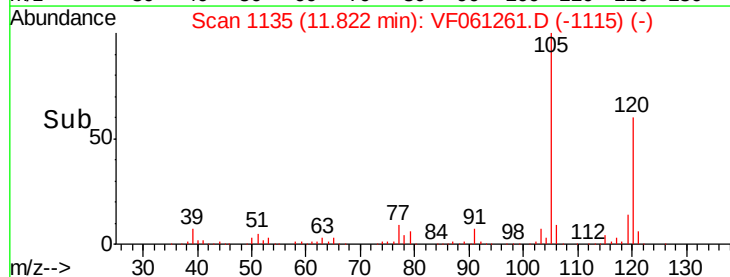
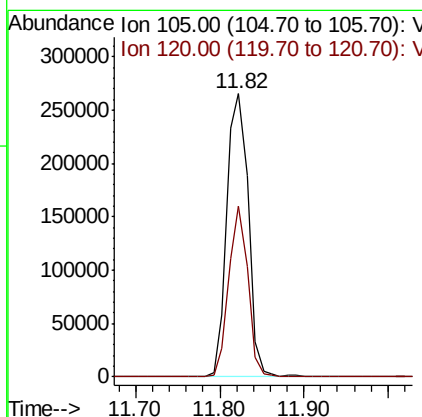
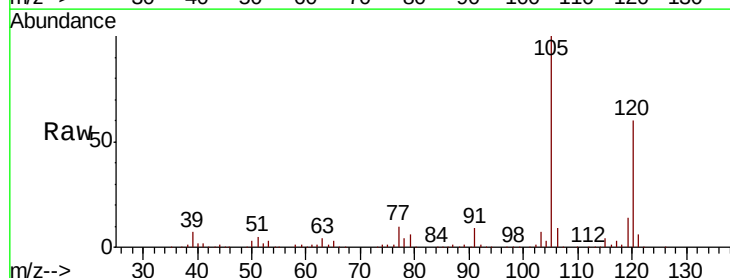
Manual Integrations
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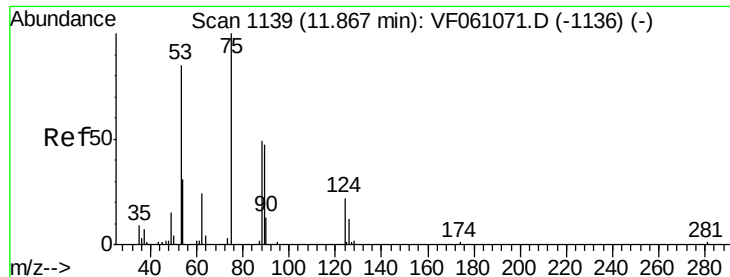
MMDadoda
 1/3/2019 3:08:28 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.200 ug/l
 RT: 11.82 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	60.2	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 28.215 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 16790

Ion Ratio Lower Upper

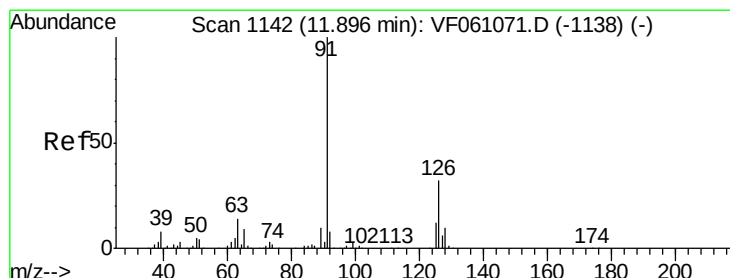
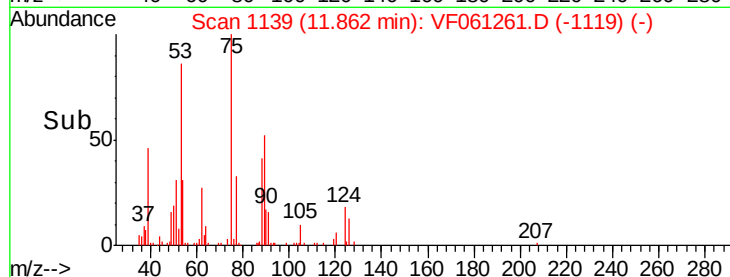
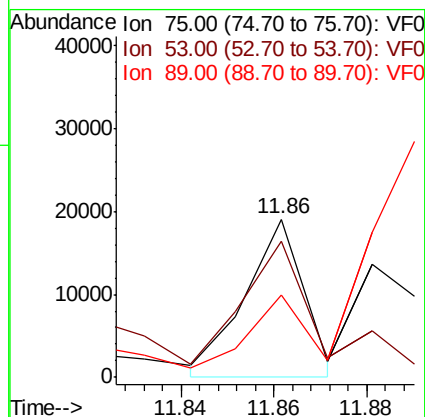
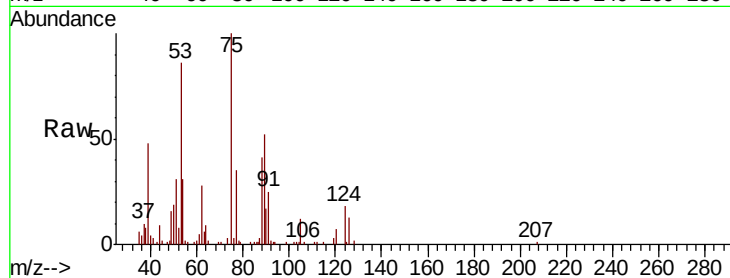
75 100

53 85.5 74.1 111.1

89 51.8 42.6 64.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.612 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF061261.D

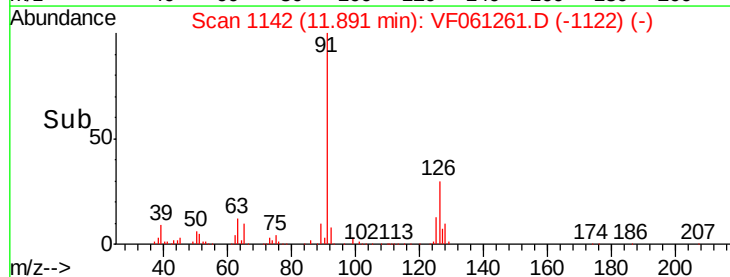
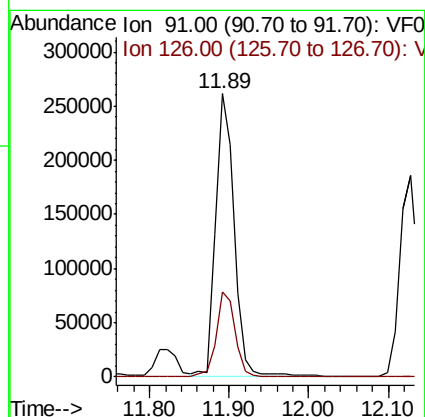
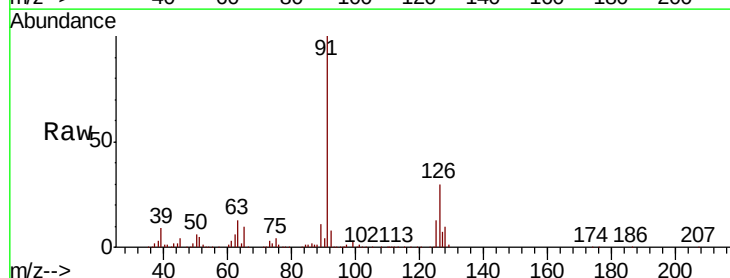
Acq: 2 Jan 2019 18:30

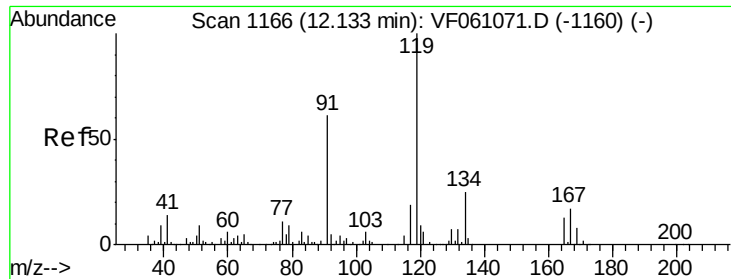
Tgt Ion: 91 Resp: 426579

Ion Ratio Lower Upper

91 100

126 29.9 16.0 47.9





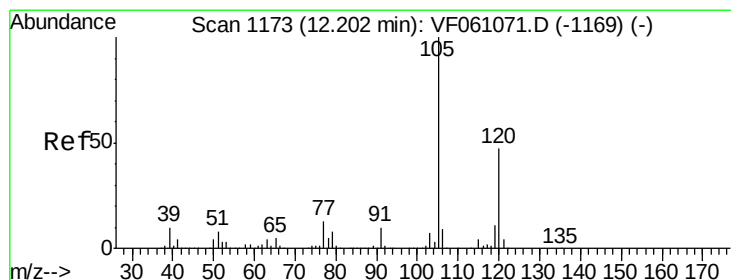
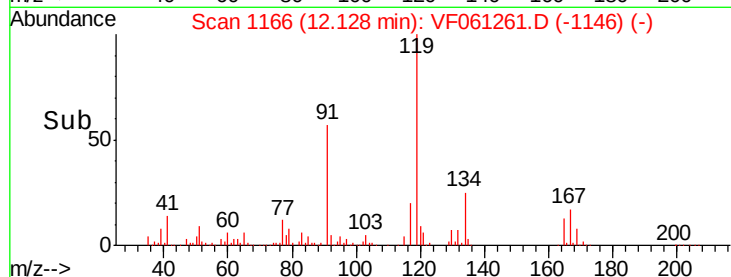
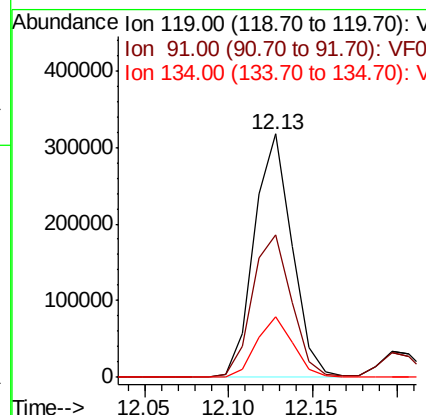
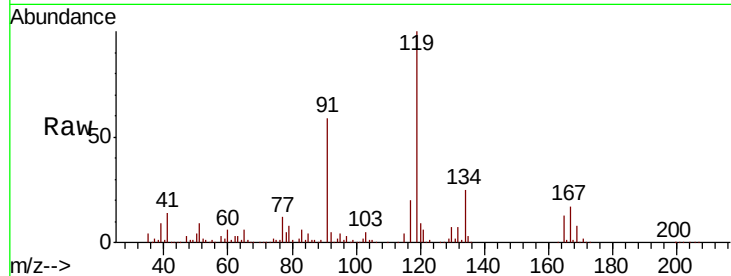
#83
 tert-Butylbenzene
 Concen: 52.291 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	496788		
91	58.6	30.5	91.5	
134	24.8	12.4	37.4	

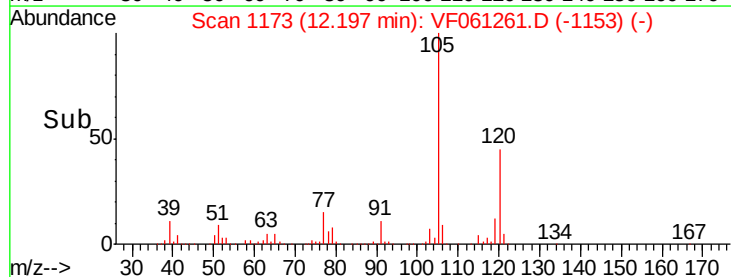
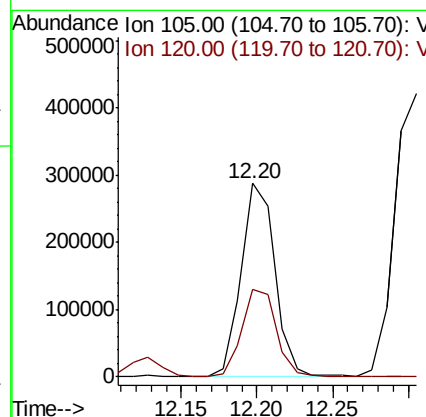
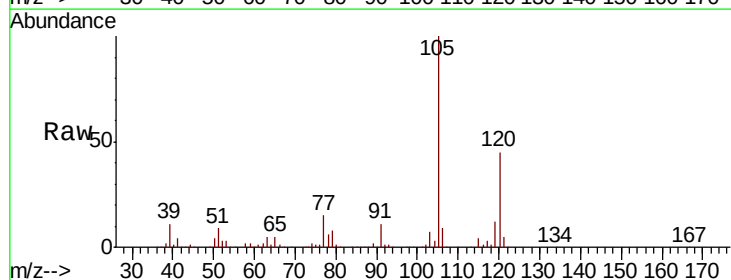
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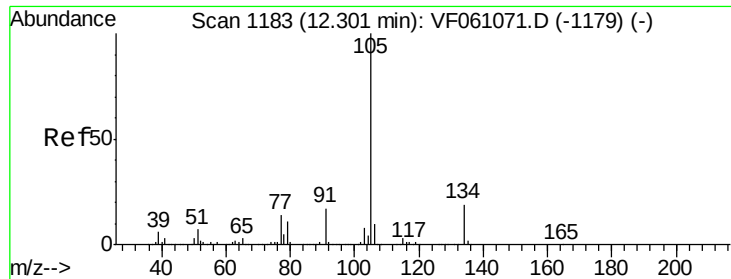
MMDadoda
 1/3/2019 3:08:28 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.642 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	447832		
120	45.2	23.6	71.0	





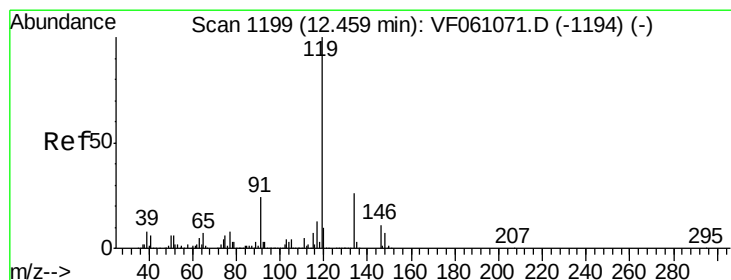
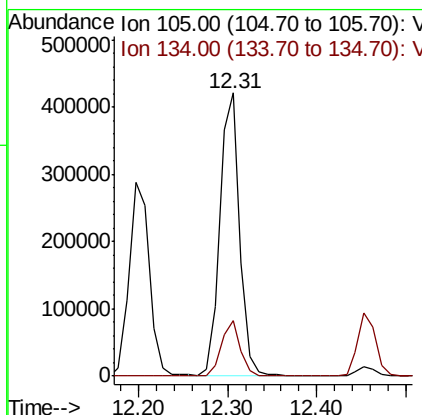
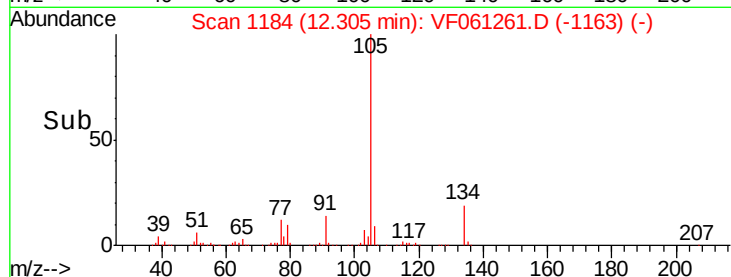
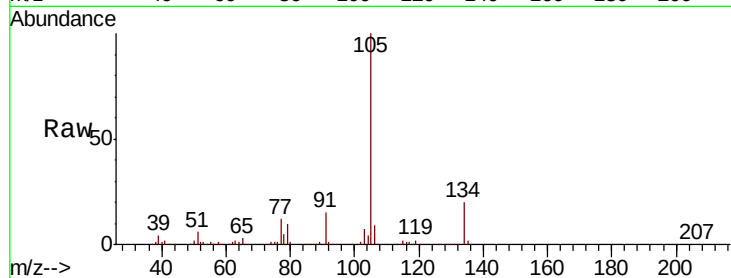
#85
 sec-Butylbenzene
 Concen: 52.902 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	655878		
134	19.7		9.4	28.2

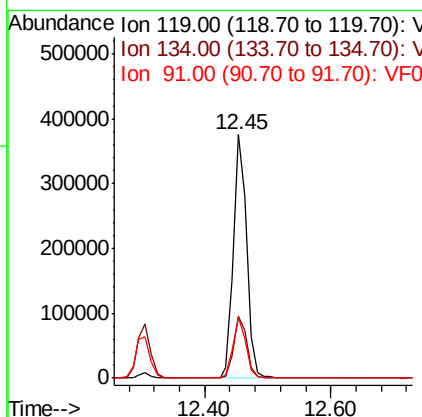
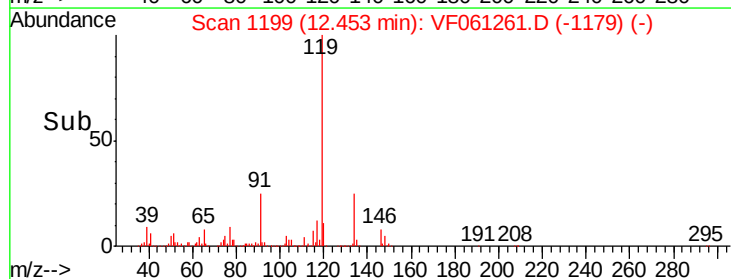
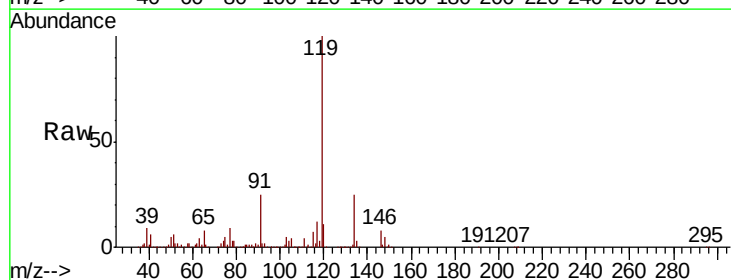
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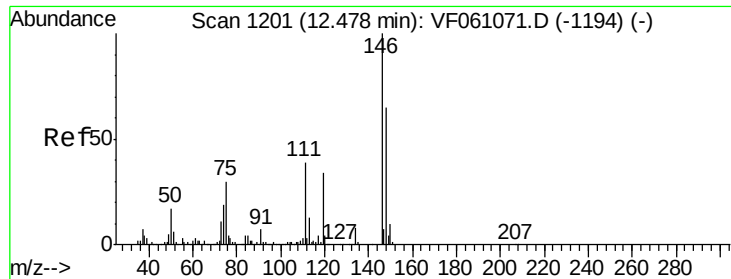
MMDadoda
 1/3/2019 3:08:28 PM



#86
 p-Isopropyltoluene
 Concen: 52.336 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	538584		
134	25.2		12.8	38.4
91	25.1		12.2	36.6





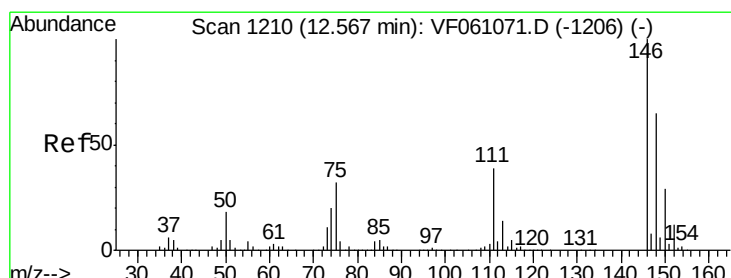
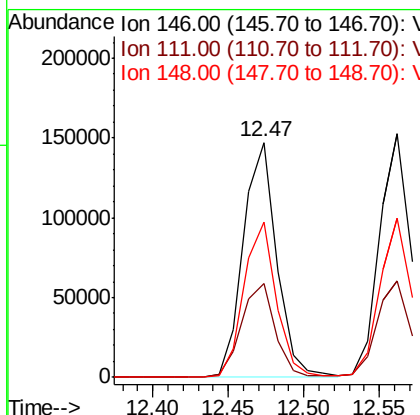
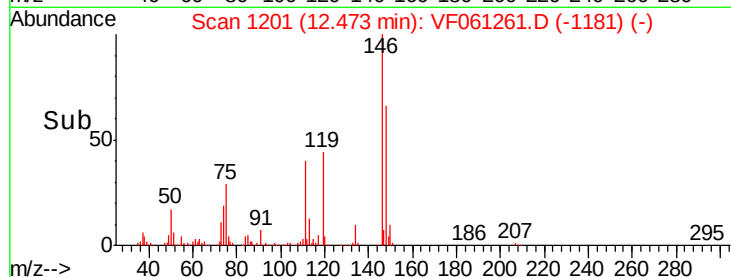
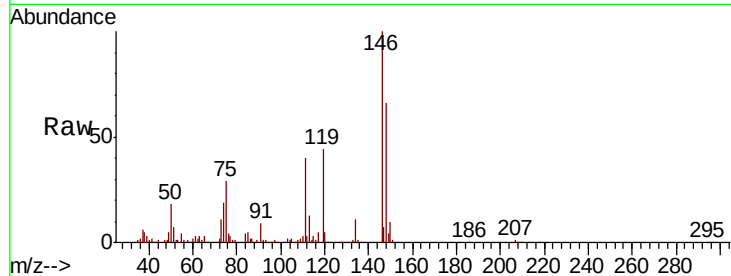
#87
 1,3-Dichlorobenzene
 Concen: 58.896 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.9
148	66.2	32.4	97.2

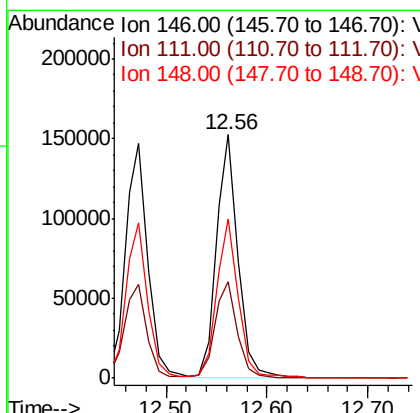
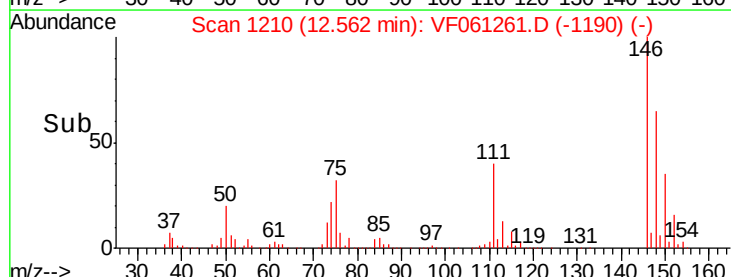
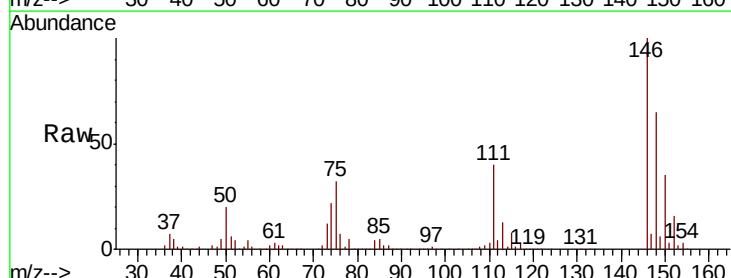
Manual Integrations
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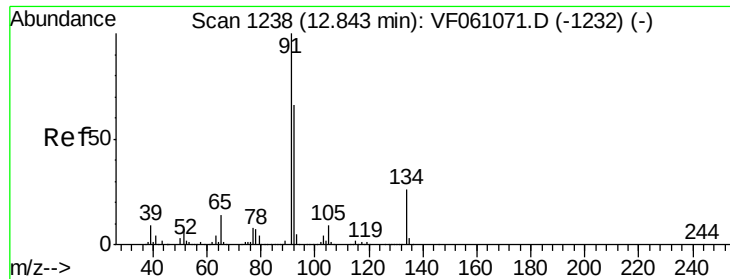
MMDadoda
 1/3/2019 3:08:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.370 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.4
148	65.3	32.4	97.0





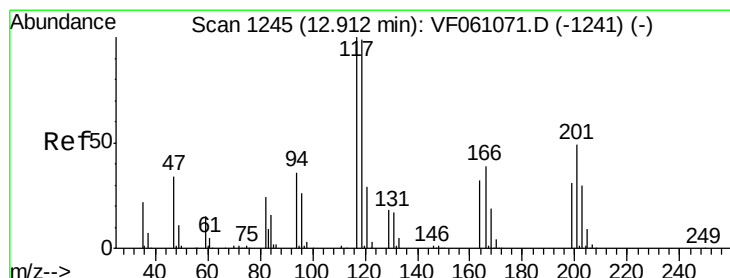
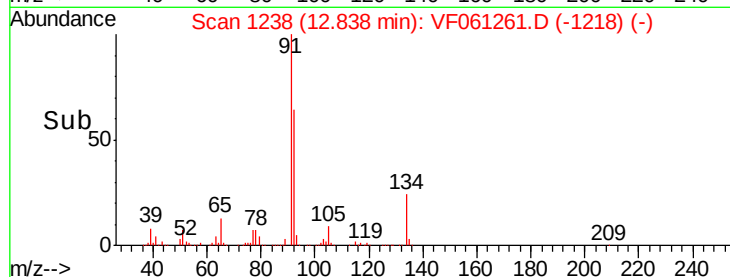
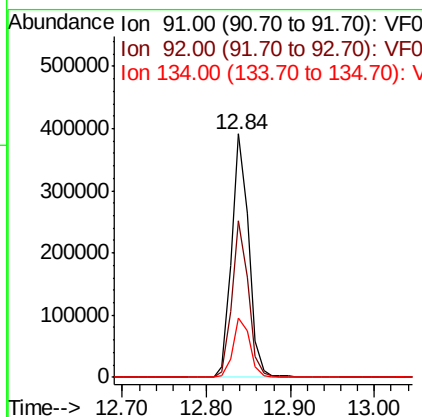
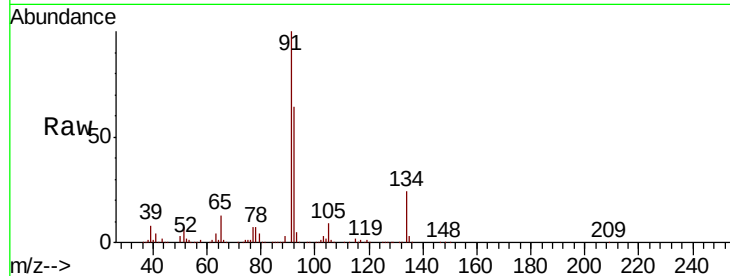
#89
n-Butylbenzene
Concen: 54.113 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	32.8	98.4
134	24.5	13.2	39.5

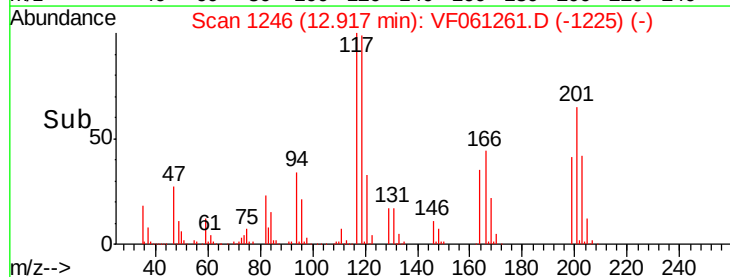
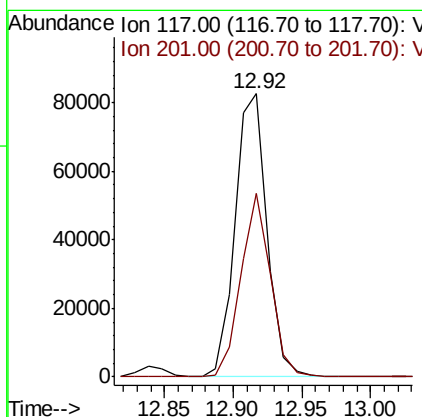
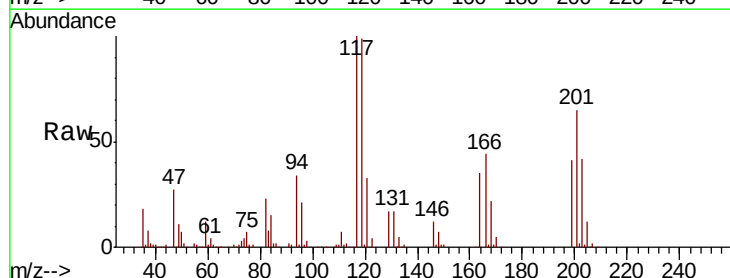
Manual Integrations
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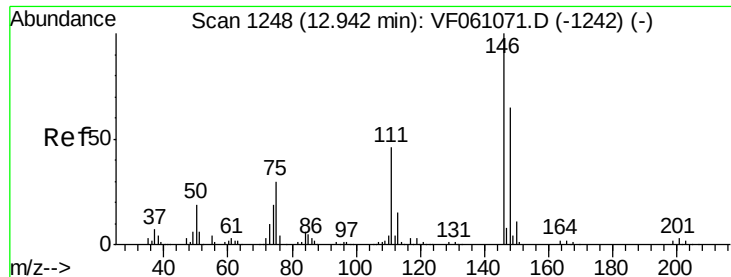
MMDadoda
1/3/2019 3:08:28 PM



#90
Hexachloroethane
Concen: 52.481 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF061261.D
Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.9	24.9	74.8





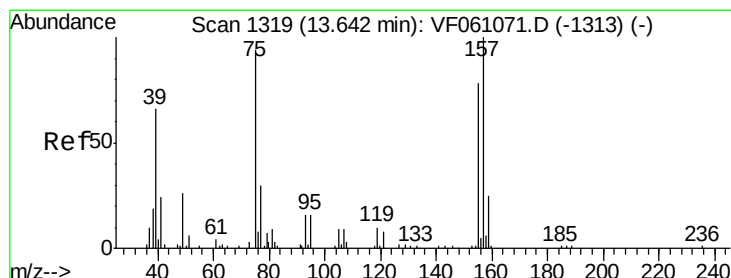
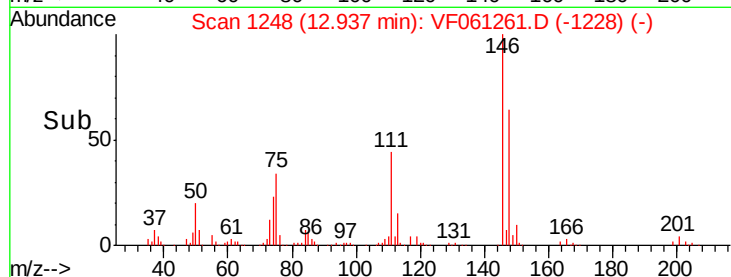
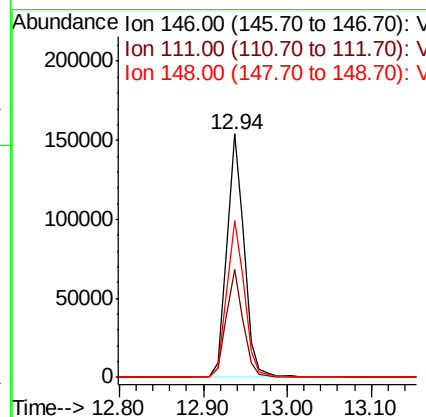
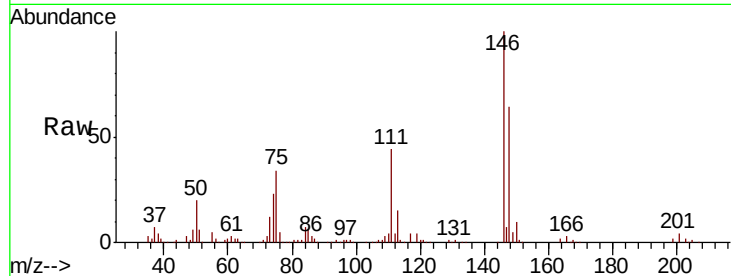
#91
 1,2-Dichlorobenzene
 Concen: 50.693 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	23.2	69.5
148	64.1	32.4	97.0

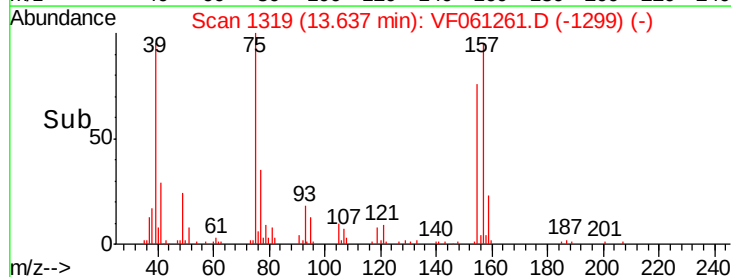
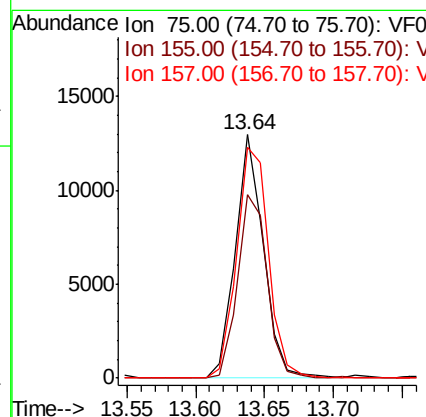
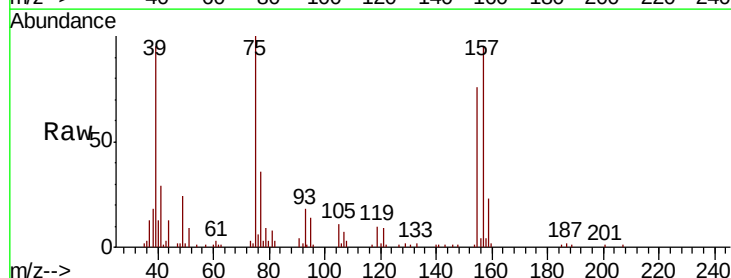
Manual Integrations
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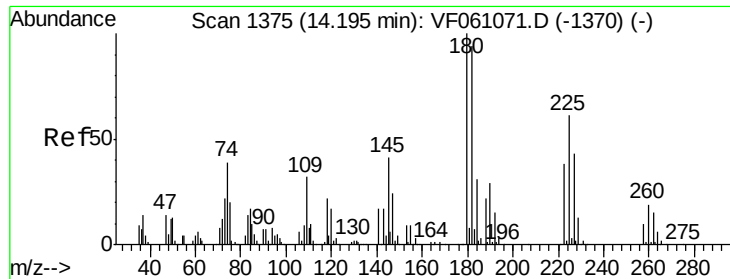
MMDadoda
 1/3/2019 3:08:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.066 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.6	41.5	124.5
157	94.9	53.2	159.6





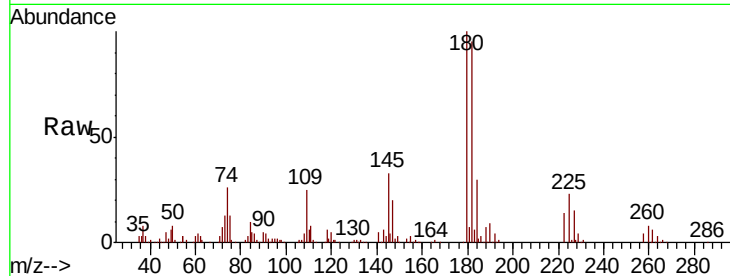
#93
 1,2,4-Trichlorobenzene
 Concen: 52.215 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	159782		
182	95.0	46.9	140.6	
145	32.5	20.5	61.6	

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 3:08:28 PM

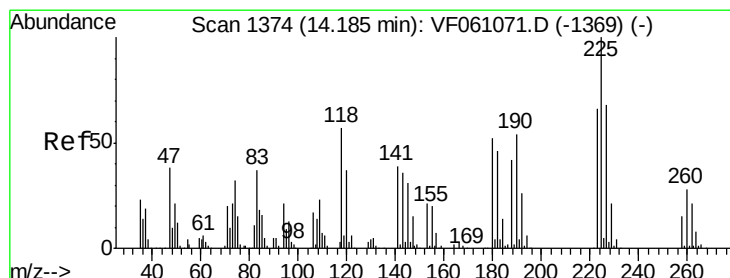
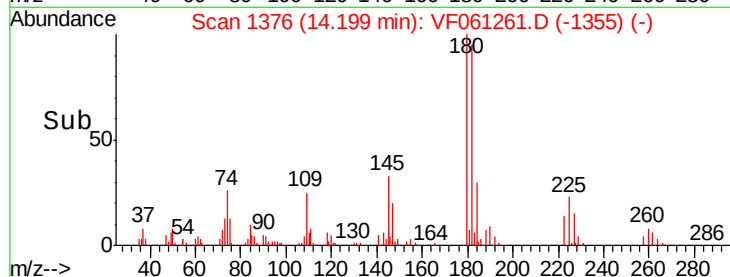
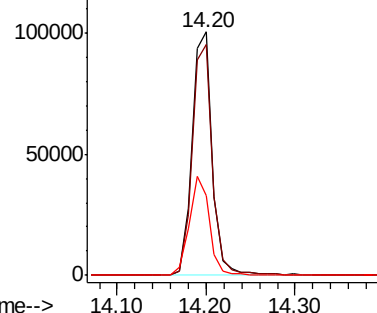


Abundance

Ion 180.00 (179.70 to 180.70): V

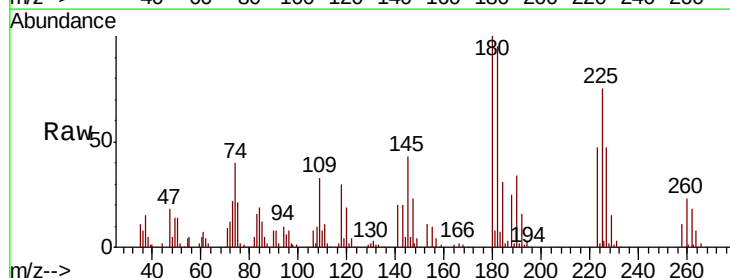
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 55.204 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061261.D
 Acq: 2 Jan 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107592		
223	62.5	32.8	98.3	
227	62.9	34.0	101.8	

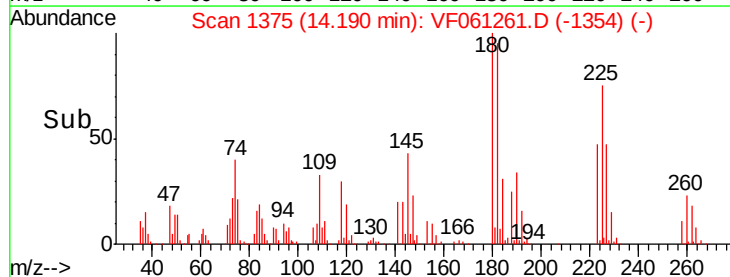
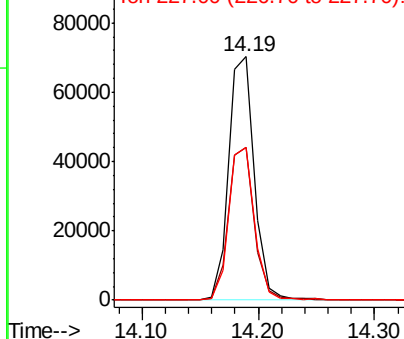


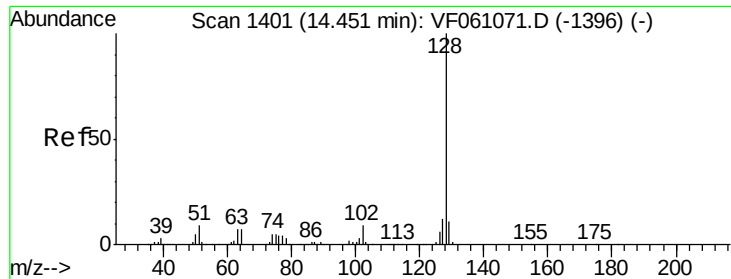
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 55.218 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Instrument :

MSVOA_F

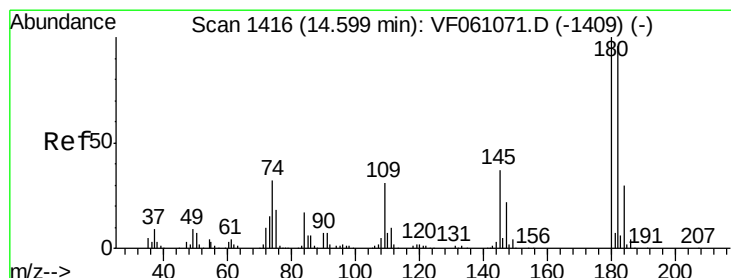
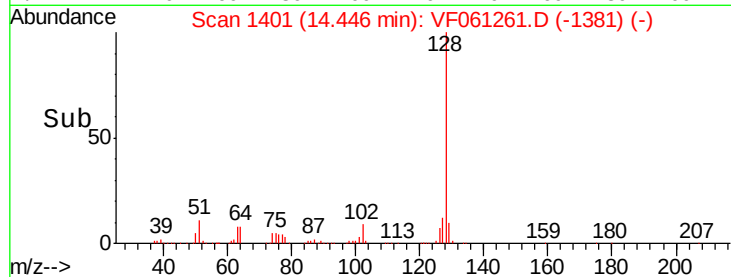
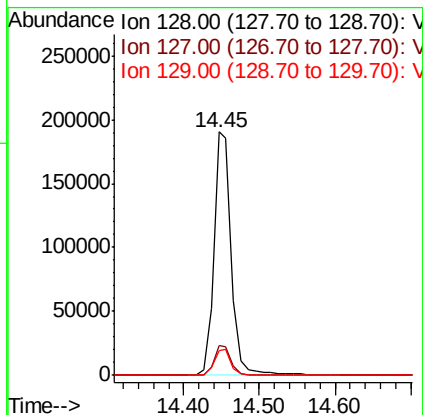
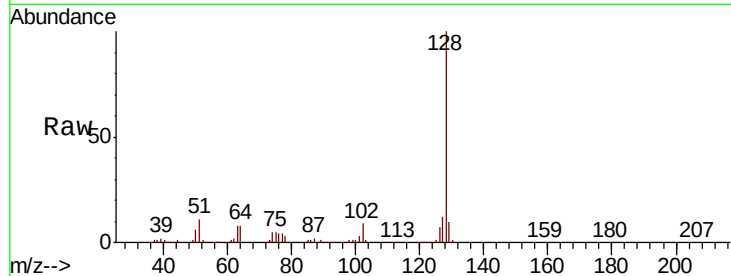
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	308550
Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.4	14.2
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 3:08:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.265 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF061261.D

Acq: 2 Jan 2019 18:30

Tgt Ion:	180	Resp:	156341
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.8
145	36.3	18.6	55.8

